STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF FISH AND GAME

FISH BULLETIN 166

CALIFORNIA MARINE FISH LANDINGS FOR 1974

by
ROBERT McALLISTER

1976

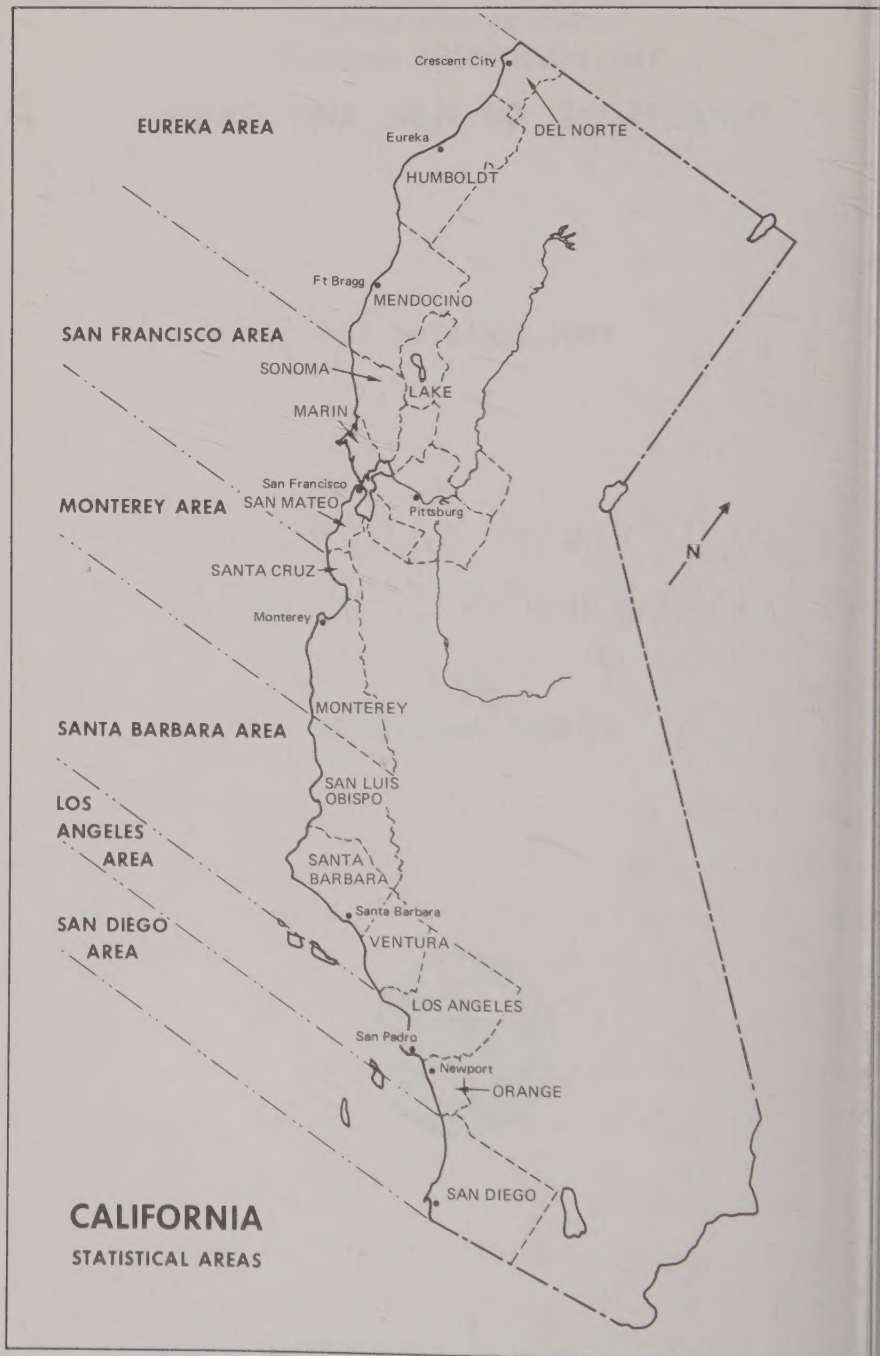

FIGURE 1. Geographical areas used to summarize California fisheries statistics.

TABLE OF CONTENTS

Foreword ---------- 5

Explanation of Tables ---------- 6

Common and Scientific Names of Species Reported in the 1974 Catch ---------- 9

Annual Landings and Shipments (Figure 2) ---------- 10

Annual Landings and Shipments, 1916 through 1974 ---------- 11

Landings and Shipments of Leading Species Ranked by Pounds 11

Number of Licensed Commercial Fishermen ---------- 12

Number of Registered Fishing Boats by Length ---------- 12

Origin of Shipments ---------- 13

Origin of Commercial Fish Landings ---------- 14–15

Monthly Landings and Shipments—Statewide ---------- 16–17

Monthly Landings and Shipments by Area ---------- 18–31

Value of Landings and Shipments by Area ---------- 32–34

Value of Landings and Shipments by Ports and Areas ---------- 35–45

Partyboat Sport Catch, 1965–1974 ---------- 46

Inshore Bait Landings, 1974 ---------- 47

Live Bait Catch, 1970–1974 ---------- 47

California Ocean Recreational Salmon Landings and Success—1974 ---------- 48–49

California Commercial Troll Salmon Landings—1974 ---------- 50

Appendix I Monthly Landings from Inland Waters ---------- 51

Appendix II Value of Landings from Inland Waters ---------- 52

Appendix III Kelp Harvest in Tons 1916–1974 ---------- 53

FOREWORD

Landing bulletins provide basic catch records of amounts and values of various marine resources taken by California's commercial fisheries plus summarizations of catches of the partyboat sportfishing industry. Small quantities of freshwater fish taken commercially in inland areas also are detailed. These figures are of local, national, and international significance to fishery scientists and others interested in the wise utilization and management of California's living marine and freshwater resources.

This report for 1974 is the 34th in a series stemming from the first gathering of commercial fisheries landing data by the California Department of Fish and Game in 1916 and the subsequent first publication of these catch data in 1929 for the years 1926 and 1927.

California's fishery statistics are based on a system where fish dealers, processors, and operators of sportfishing partyboats send duplicate copies of their landing records to the department. Fish Bulletin 6, which reported the catch for 1950, describes fully the system and methods used in collecting commercial fish records. Basic principles remain the same today as then, although methods and equipment have been changed as necessary. The partyboat fishing system is described in Fish Bulletin 145 by Parke Young (1969).

Credit for this publication is due largely to the cooperative efforts of the fishing industry, wholesale fish dealers, fishermen, canners, processors, and department personnel responsible for the market receipt system who have through their efforts provided the most accurate statistics possible. My utmost appreciation is extended to this large group of people without which this publication would not be possible.

Portions of the salmon statistics were collected under the Anadromous Fish Act Project: California AFC-12, Ocean Salmon Study and supported by the National Marine Fisheries Service, Department of Commerce, Washington, D.C.

EXPLANATION OF TABLES

Tables in this bulletin summarize statistics of the various fishe operations in California during 1974. Five types of activity are bei reported this year: landings by commercial fishermen in Californ sport catches of the partyboat fleet, imports of tuna from other stat or foreign countries destined for processing in California, landings inshore species used for bait, and catches of boats supplying live ba for sportfishing. In addition, the species composition of the 1974 oce salmon landings is reported.

Statistics presented in this publication do not encompass all fishi activities in California since not all of these functions are reporte For example, sportfishing from private boats or from shore is n reported, nor is the quantity of fish imported for use in a fresh sta compiled.

Preliminary landing data are published annually in the circul series which enumerates certain fishery products produced from t catch. The 1974 figures are contained in Circular Number 49, "Statis cal Report of Fresh, Canned, Cured and Manufactured Fishery Pro ucts for 1974" (McAllister, 1974).

In years to come, the tables will be printed in metric values; ho ever, for this bulletin the following necessary factors for conversi are provided.

1 Pound = 453.59 Grams
1 Pound = 0.453 Kilogram
1 Ton (Net or Short) = 0.907 Metric Ton

SOURCE OF DATA

Data concerning each commercial landing, inshore bait delivery, a import are recorded on receipts by fish dealers or processors at t time of delivery. Copies of these documents are transmitted to t department twice each month. For each transaction the dealer mu provide data concerning the species, weight, and price paid to t fishermen. The date of the transaction, the fisherman's name, the fis ing boat registration number, and intended use of the fish (cannin fresh, etc.) also are required. In addition, type of gear used and t specific area where the fish were caught are reported.

Partyboat catch data are obtained from logs completed by the bo operator. The required log for each trip indicates the number of ea species taken, number of anglers, number of hours fished, and the sp cific area fished. The date, boat name, and boat registration numb also are furnished. Copies of these records are sent to the departm monthly.

Operators of boats supplying live bait keep a voluntary daily l showing number of sets, species caught, area fished, and number scoops of bait sold. Copies of these logs are furnished the departme monthly. While these records represent most live bait landings, the r ported catch should be regarded as minimal.

Clerical personnel at field offices in Eureka, Menlo Park, Long Beac and San Diego maintain contact with fish dealers, local Fish and Gam wardens, and field biologists to insure that the records are accura and transmitted promptly. All data received by the department a carefully edited for completeness and coded to facilitate processin

The information is then punched into cards and summarized with electric tabulating machines.

STATISTICAL AREAS

California is divided into seven areas for the purpose of reporting fisheries statistics (Figure 1). Each statistical area is named for a major port within its boundaries.

Sacramento area landings prior to 1972 were included with San Francisco totals. In the 1972 bulletin, the separation of all inland fish landings resulted in Appendix I and II. The status of these data is continued in its past form until future demand may require their elevation to table status.

SPECIES

The common and scientific names of species reported here are those designated by the department (Gates and Frey, 1974). Some species are reported only collectively when, for economic or other reasons, their separation is not practical (Table 1).

The "Miscellaneous (Animal Food)" category consists of a variety of low value species caught by trawling. When the volume of these landings was substantial, department biologists sampled it for species composition. In recent years this category of landings has declined markedly; for example, in 1973 the total was 322,581 pounds compared to 2,873,650 pounds landed in 1965. Industry practices during 1973 and early 1974 indicated that the downward trend would continue; therefore, the department decided not to sample this portion of the trawl catch. The total 1974 landing of Miscellaneous (Animal Food) fish was only 64,286 pounds.

Salmon landings reported in the tables are for all species combined. However, biologists from the department's Anadromous Fisheries Branch sample the commercial and sport salmon fisheries to determine species composition of catches and to obtain estimates of the unreported skiff catch. The sampling methods and results for 1952 through 1965 were detailed by Jensen and Swartzell (1967); since 1966, results have been presented annually in the landing bulletins.

The miscellaneous fish category, as reported in the 1974 landings tables, consists of small volume deliveries of the following species: lamprey, California moray, striped mullet, Pacific halibut, sargo, American shad, spotted cabrilla, and wolf-eel. Reporting of skate and ray species on market receipts was poor; the reported species consisted of skates, rays, stingrays, and shovelnose guitarfish. Miscellaneous mollusks consisted of mussels, quahogs, sea snails, softshell clams, and Washington clams.

Due to increasing requests for marine plant harvest information, a table of kelp landings is presented in Appendix III. This is an updated version of the table presented by Frey (1971) on giant kelp, Macrocystis spp., landings by open and leased beds dating back to 1916.

CONDITION

Most fish and shellfish are landed in a round condition; however, some species, such as barracuda, salmon, and swordfish usually are eviscerated or cleaned before being brought ashore. The condition of

fish landed or shipped into the state cannot always be determined, the tables represent summarized weights as reported to the departme without regard to condition.

Since 1963, oyster landings have been reported as packed weig rather than weight in the shell. Packed weight is estimated to be 15.5 of the live weight for Pacific oysters and 10.9% for eastern oyste

Landings reported in measurements other than weight are equat to pounds using conversion factors determined by periodic samplin

Abalone number to weight conversion factors were reexamined du ing the 1970–71 abalone season by a department biological team. The conversion factors, rounded off to whole numbers, were used in 197 The same factors are used in this bulletin and are as follows:

Abalone, red	45 pounds per dozen
Abalone, pink	25 pounds per dozen
Abalone, green	25 pounds per dozen
Abalone, black	25 pounds per dozen
Abalone, white	20 pounds per dozen
Clam, Washington	7 pounds per dozen
Crab, Dungeness	2 pounds each
Live bait	12.5 pounds per scoop

VALUE

Value is computed from prices paid to fishermen. Area value figur are ascertained by summing the value of all individual landings that area. The value for an individual port within an area is calculat from weights of each species landed at that port and the average pri paid for the species in that area. When the price paid for an individu landing is not specified, the average price paid for the species in t area is used.

INSHORE BAIT

The inshore bait fishery takes numerous species of fish and invert brates from bays, rivers, and intertidal regions. Records of this fishe have been published as a separate summary in landing bulletins sin 1963. Conversion factors used for inshore bait for 1974 were as follow

Crab, sand	0.041 pound per dozen
	4.5 pounds per gallon
Crab, shore	0.013 pound per dozen
Mudsucker	0.465 pound per dozen
Mussel	80.000 pounds per sack
Sculpin, Pacific staghorn	0.465 pound per dozen
Shrimp, ghost	0.128 pound per dozen

REFERENCES

Calif. Dept. Fish and Game. 1952. The commercial fish catch of California f the year 1950. Calif. Dept. Fish and Game, Fish Bull., (86) : 1–73.

Frey, Herbert W. (Ed) 1971. California's living marine resources and their utiliz tion. Calif. Dept. Fish and Game, Sacramento. 148p.

Gates, Doyle E., and Herbert W. Frey. 1974. Designated common names certain marine organisms of California. Calif. Dept. Fish and Game, Fish Bul (161) : 55–90.

Jensen, Paul T., and Phillip G. Swartzell. 1967. California salmon landin 1952 through 1965. Calif. Dept. Fish and Game, Fish Bull., (135) : 43–57.

McAllister, Robert D. 1974. Statistical report of fresh, canned, cured and man factured fishery products for 1974. Calif. Dept. Fish and Game, Circular, (49) 1–19.

Young, Parke H. 1969. The California partyboat fishery 1947–1967. Calif. Dep Fish and Game, Fish Bull., (145) : 1–91.

TABLE 1
Common and Scientific Names of Species Reported in the 1974 Catch

Common name	Scientific name
FISHES	
Anchovy, northern	*Engraulis mordax*
Barracuda, California	*Sphyraena argentea*
Bass, rock	
Kelp bass	*Paralabrax clathratus*
Sand bass, barred	*Paralabrax nebulifer*
Spotted sand bass	*Paralabrax maculatofasciatus*
Blackfish, Sacramento	*Orthodon microlepidotus*
Blacksmith	*Chromis punctipinnis*
Butterfish, Pacific	*Peprilus simillimus*
Bonito, Pacific	*Sarda chiliensis*
Cabezon	*Scorpaenichthys marmoratus*
Cabrilla, spotted	*Epinephelus analogus*
Carp	*Cyprinus carpio*
Croaker	
White	*Genyonemus lineatus*
Queenfish	*Seriphus politus*
Dolphinfish	*Coryphaena hippurus*
Eel, wolf	*Anarrhicthys ocellatus*
Flounder	
Arrowtooth	*Atheresthes stomias*
Starry	*Platichthys stellatus*
Flyingfish	*Cypselurus* spp.
Greenling, kelp	*Hexagrammos decagrammus*
Grenadiers	
California	*Nezumia stelgidolepis*
Pacific	*Coryphaenoides acrolepis*
Grouper	*Mycteroperca* spp.
Hake, Pacific	*Merluccius productus*
Hardhead	*Mylopharodon conocephalus*
Halfmoon	*Medialuna californiensis*
Halibut	
California	*Paralichthys californicus*
Pacific	*Hippoglossus stenolepis*
Herring, Pacific	*Clupea harengus pallasii*
Hitch	*Lavinia exilicauda*
Lamprey	*Lampetra* spp.
Lingcod	*Ophiodon elongatus*
Mackerel	
Jack	*Trachurus symmetricus*
Pacific	*Scomber japonicus*
Moray, California	*Gymnothorax mordax*
Mudsucker, longjaw	*Gillichthys mirabilis*
Mullet, striped	*Mugil cephalus*
Opaleye	*Girella nigricans*
Perch, ocean	Members of family Embiotocidae
Rockfish	Members of family Scorpaenidae
Sablefish	*Anoplopoma fimbria*
Salmon	
King	*Oncorhynchus tshawytscha*
Pink	*Oncorhynchus gorbuscha*
Silver	*Oncorhynchus kisutch*
Sanddab	*Citharichthys sordidus*
Sardine, Pacific	*Sardinops sagax caeruleus*
Sargo	*Anisotremus davidsonii*
Sculpin	*Scorpaena guttata*
Sculpin, Pacific staghorn	*Leptocottus armatus*
Sea bass, giant	*Stereolepis gigas*
Seabass, white	*Cynoscion nobilis*
Senorita	*Oxyjulis californica*
Shad, American	*Alosa sapidissima*
Shark	Members of family Alopiidae, Carcharhinidae, Lamnidae, and Squalidae
Sheephead, California	*Pimelometopon pulchrum*
Skates and Rays	Members of family Rhinobatidae, Rajidae, and Myliobatidae
Smelt	
Jacksmelt	*Atherinopsis californiensis*
Night	*Spirinchus starksii*
Surf	*Hypomesus pretiosus*
Whitebait	*Allosmerus elongatus* and *Spirinchus starksii*
Sole	
Butter	*Isopsetta isolepis*
Dover	*Microstomus pacificus*
English	*Parophrys vetulus*
Petrale	*Eopsetta jordani*
Rex	*Glyptocephalus zachirus*
Rock	*Lepidopsetta bilineata*
Sand	*Psettichthys melanostictus*
Sucker, western	*Catostomus occidentalis*
Swordfish	*Xiphias gladius*
Tuna	
Albacore	*Thunnus alalunga*
Bigeye	*Thunnus obesus*
Bluefin	*Thunnus thynnus*
Skipjack, tuna	*Euthynnus pelamis*
Skipjack, black	*Euthynnus lineatus*
Yellowfin	*Thunnus albacares*
Turbot	
Curlfin	*Pleuronichthys decurrens*
Diamond	*Hypsopsetta guttulata*
Hornyhead	*Pleuronichthys verticalis*
Wahoo	*Acanthocybium solanderi*
Whitefish, ocean	*Caulolatilus princeps*
Yellowtail	*Seriola dorsalis*
CRUSTACEANS	
Crab	
Dungeness	*Cancer magister*
Pelagic red	*Pleuroncodes planipes*
Rock	*Cancer* spp.
Sand	*Emerita analoga*
Sheep	*Lozorhynchus* spp.
Shore	*Hemigrapsus* spp.
Crayfish	*Astacus trowbridgei*
Lobster, spiny	*Panulirus interruptus*
Prawn	
Ridgeback	*Eusicyonia ingentus*
Spot	*Pandalus platyceros*
Shrimp	
Bay	*Crago* spp.
Ghost, Bay	*Callianassa californiensis*
Ocean, Pacific	*Pandalus jordani*
Red	*Hippolysmata californica*
MOLLUSKS	
Abalone	
Black	*Haliotis cracherodii*
Green	*Haliotis fulgens*
Pink	*Haliotis corrugata*
Red	*Haliotis rufescens*
Threaded	*Haliotis assimilis*
White	*Haliotis sorenseni*
Clam	
Freshwater	*Corbicula fluminea*
Jackknife, California	*Tagelus californianus*
Littleneck	*Protothaca staminea*
Purple	*Sanguinolaria nuttalli*
Quahog, Northern	*Mercenaria mercenaria*
Softshell	*Mya arenaria*
Washington, common	*Saxidomus nuttalli*
Mussel	
Bay	*Mytilus edulis*
Sea	*Mytilus californianus*
Octopi	*Polypus* spp.
Oyster	
Eastern	*Crassostrea virginica*
Giant Pacific	*Crassostrea gigas*
Snail, sea	*Astraea* spp.
Squid, market	*Loligo opalescens*
ECHINODERM	
Sea Urchin	*Strongylocentrotus franciscanus*
AMPHIBIA	
Bullfrog	*Rana catesbeiana*

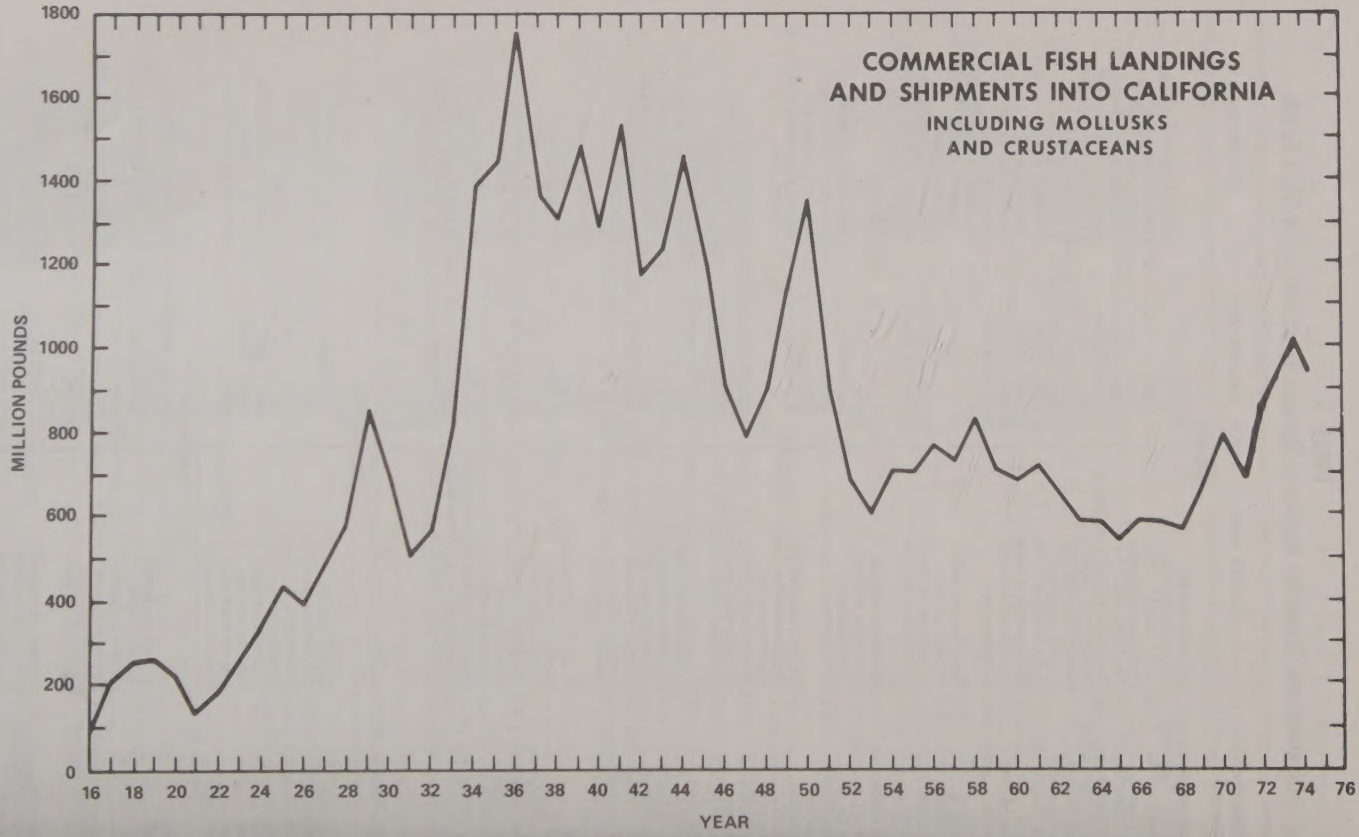

FIGURE 2. Total annual landings and shipments into California (see Table 2). Sardine deliveries to reduction ships, 1930–38 are included.

TABLE 2

Total Annual Landings and Shipments Into California of Commercial Fish, Mollusks, and Crustaceans; Includes Sardine Deliveries to Reduction Ships During 1930 Through 1938

Year	Thousands of pounds	Year	Thousands of pounds
1916	95,003	1946	919,822
1917	209,877	1947	795,499
1918	261,134	1948	900,467
1919	266,270	1949	1,135,339
1920	222,004	1950	1,366,676
1921	135,348	1951	904,114
1922	182,343	1952	694,996
1923	253,875	1953	618,919
1924	340,446	1954	713,410
1925	437,502	1955	710,713
1926	394,964	1956	772,551
1927	487,166	1957	738,550
1928	583,527	1958	832,919
1929	856,854	1959	713,423
1930	702,189	1960	694,663
1931	502,390	1961	725,253
1932	556,139	1962	663,107
1933	821,805	1963	592,899
1934	1,390,798	1964	591,131
1935	1,448,017	*1965	544,480
1936	1,764,900	1966	591,533
1937	1,362,984	1967	589,028
1938	1,310,596	1968	567,214
1939	1,486,535	1969	672,793
1940	1,297,518	1970	798,415
1941	1,528,892	1971	687,995
1942	1,173,414	‡1972	845,699
1943	1,234,049	1973	1,006,431
1944	1,459,456	1974	938,118
1945	1,216,501		

* Beginning in 1965 only tuna shipments are recorded.
‡ Beginning in 1972 commercial freshwater fish landings are reported separately and are not included in these totals.

TABLE 3

Landings and Shipments of Leading Species Ranked by Pounds *

1973				1974			
Species	Rank	Thousands of pounds	Thousands of dollars	Species	Rank	Thousands of pounds	Thousands of dollars
Yellowfin tuna	1	279,084	$72,191	Yellowfin tuna	1	263,053	$77,421
Anchovy, northern	2	265,272	6,646	Skipjack tuna	2	229,585	67,231
Skipjack tuna	3	198,838	57,359	Anchovy, northern	3	165,433	3,432
Albacore tuna	4	73,648	36,087	Albacore tuna	4	89,232	41,764
Pacific bonito	5	30,788	3,202	Squid, market	5	28,905	1,437
Bluefin tuna	6	27,359	7,006	Jack mackerel	6	25,458	1,496
Dover sole	7	22,486	2,276	Rockfish	7	21,499	2,814
Rockfish	8	22,052	2,251	Dover sole	8	19,087	2,198
Jack mackerel	9	20,616	992	Pacific bonito	9	18,818	2,512
Squid, market	10	12,062	435	Bluefin tuna	10	12,673	3,713
Salmon	11	9,669	8,991	Sablefish	11	12,039	1,202
Sablefish	12	8,550	661	Salmon	12	8,749	8,013
Sea urchin	13	3,595	280	Sea urchin	13	7,108	520
Pacific herring	14	3,560	389	Pacific herring	14	5,260	557
English sole	15	3,210	444	Lingcod	15	3,824	506
Abalone	16	3,193	1,077	English sole	16	3,813	694
Petrale sole	17	2,877	559	Petrale sole	17	3,431	786
Pacific herring	18	2,819	108	Black skipjack	18	2,959	238
Bigeye tuna	19	1,788	554	Abalone	19	2,595	1,299
Ocean sole	20	1,585	228	Ocean shrimp	20	2,387	602
All others	--	13,380	4,835	All others	--	12,210	5,557
Totals	--	1,006,431	$206,571	Totals	--	938,118	$223,992

* Only the tunas are included in the shipments.

TABLE 4

Number of Licensed Commercial Fishermen

Area of residence	License year* 1973–74	1974–75
Eureka	1,993	2,200
Sacramento	513	711
San Francisco	2,318	3,069
Monterey	1,097	1,351
Santa Barbara	1,387	1,682
Los Angeles	2,499	2,782
San Diego	1,717	1,920
Alaska, Washington and Oregon fishermen licensed in California	550	733
Mexican nationals licensed in California	22	48
Other	57	59
Totals	**12,153**	**14,555**

* April 1 to March 31.

TABLE 5

Number of Registered Fishing Boats by Length

Length group in feet	License year* 1973–74	1974–75	Length group in feet	License year* 1973–74	1974–75
0– 10	4	4	101–105	5	5
11– 15	163	186	106–110	5	5
16– 20	1,119	1,383	111–115	5	6
21– 25	870	1,240	116–120	8	9
26– 30	842	955	121–125	4	2
31– 35	684	752	126–130	3	1
36– 40	860	936	131–135	7	6
41– 45	435	450	136–140	10	10
46– 50	306	320	141–145	1	1
51– 55	141	151	146–150	0	0
56– 60	136	165	151–155	17	16
61– 65	107	116	156–160	4	5
66– 70	31	40	161–165	3	3
71– 75	37	43	166–170	4	3
76– 80	29	31	171–175	6	5
81– 85	22	23	176–180	2	0
86– 90	10	11	181 and over	35	34
91– 95	9	9			
96–100	8	6	**Total**	**5,932†**	**6,932‡**

* April 1 to March 31.
† The owners of 390 boats were issued fishing party licenses in 1973–74.
‡ The owners of 370 boats were issued fishing party licenses in 1974–75.

TABLE 6

Origin of Shipments Received for Processing in California during 1974 *

Shipped from: Species	Pounds shipped to each area		Total pounds
	Los Angeles	San Diego	
Oregon, Washington, Canada and Alaska:			
Tuna, albacore	29,146,940	5,102,686	34,249,626
Mexico and Central America:			
Tuna, bigeye	42,558	--	42,558
Tuna, skipjack	1,283,559	4,772	1,288,331
Tuna, yellowfin	2,394,279	311,813	2,706,092
South America:			
Tuna, albacore	249,150	--	249,150
Tuna, skipjack	7,208	--	7,208
Tuna, yellowfin	130,518	--	130,518
Japan:			
Tuna, albacore	28,701,674	98,586	28,800,260
Tuna, bigeye	47,064	--	47,064
Tuna, skipjack	112,840,709	11,833,308	124,674,017
Tuna, yellowfin	3,702,762	--	3,702,762
Australia and New Zealand:			
Tuna, albacore	1,913,895	--	1,913,895
Tuna, bluefin	844,803	--	844,803
Tuna, skipjack	841,560	--	841,560
Tuna, skipjack, black	670	--	670
China (Formosa):			
Tuna, albacore	705,774	--	705,774
Tuna, bluefin	221,965	--	221,965
Tuna, skipjack	64,570	--	64,570
Tuna, yellowfin	680,173	--	680,173
Malaya:			
Tuna, albacore	6,631,707	--	6,631,707
Tuna, yellowfin	329,682	43,167	372,849
South Pacific Islands:			
Tuna, albacore	4,676,520	--	4,676,520
Tuna, bigeye	170,542	--	170,542
Tuna, skipjack	26,244,692	560,261	26 804,953
Tuna, yellowfin	2,398,344	--	2,398,344
Africa:			
Tuna, albacore	155,558	--	155,558
Tuna, bigeye	199,416	--	199,416
Tuna, skipjack	7,184,553	--	7,184,553
Tuna, yellowfin	537,700	--	537,700
Philippines:			
Tuna, albacore	43,648	--	43,648
Tuna, bigeye	268,525	--	268,525
Tuna, skipjack	5,963,233	687,612	6,650,845
Tuna, yellowfin	5,749,448	199,971	5,949,419
Korea:			
Tuna, skipjack	1,881.075	212,872	2,093,947
Tuna, yellowfin	465,058	--	465,058
Total pounds	**246,719,532**	**19,055,048**	**265,774,580**

* Beginning in 1965 only tuna shipments are recorded.

TABLE 7
Origin of Commercial Fish Landings and Volume of Shipments into California during 1974

Species	Landings of catches from					Tuna shipments*	Grand total
	California waters	Waters north of State	Waters south of State	Central Pacific waters	Total pounds		
Fish:							
Anchovy, northern	165,433,480	---	---	---	165,433,480	---	165,433,480
Barracuda, California	36,476	---	22	---	36,498	---	36,498
Blacksmith	24,605	---	---	---	24,605	---	24,605
Bonito, Pacific	13,777,386	---	5,040,380	---	18,817,766	---	18,817,766
Butterfish, Pacific	87,264	---	---	---	87,264	---	87,264
Cabezon	14,901	---	---	---	14,901	---	14,901
Croaker, white	514,317	---	---	---	514,317	---	514,317
Dolphinfish	257	---	2,578	---	2,835	---	2,835
Eel	402	---	---	---	402	---	402
Flounder	499,929	2,582	---	---	502,511	---	502,511
Flounder, arrowtooth	187,841	22,669	---	---	210,510	---	210,510
Flyingfish	72,726	---	---	---	72,726	---	72,726
Grenadiers	70,681	1,322	---	---	72,003	---	72,003
Grouper	---	---	14,023	---	14,023	---	14,023
Hake, Pacific	32,070	140	---	---	32,210	---	32,210
Halfmoon	7,921	---	---	---	7,921	---	7,921
Halibut, California	306,290	---	189	---	306,479	---	306,479
Herring, Pacific	5,260,274	---	---	---	5,260,274	---	5,260,274
Lingcod	3,747,683	76,424	---	---	3,824,107	---	3,824,107
Mackerel, jack	25,457,413	---	180	---	25,457,593	---	25,457,593
Mackerel, Pacific	133,446	---	---	---	133,446	---	133,446
Mudsucker, longjaw	1,756	---	---	---	1,756	---	1,756
Mullet	839	---	---	---	839	---	839
Opaleye	9,567	---	---	---	9,567	---	9,567
Perch	147,806	---	280	---	148,086	---	148,086
Queenfish	78,739	---	---	---	78,739	---	78,739
Rockfish	21,162,808	291,930	44,246	---	21,498,984	---	21,498,984
Sablefish	11,665,841	372,701	---	---	12,038,542	---	12,038,542
Salmon	8,749,013	101	---	---	8,749,414	---	8,749,414
Sanddab	970,463	4,813	---	---	975,276	---	975,276
Sardine, Pacific	14,050	---	---	---	14,050	---	14,050
Sargo	2,755	---	---	---	2,755	---	2,755
Sculpin	83,776	---	74,057	---	157,833	---	157,833
Sea bass, giant	38,774	---	41,665	---	80,439	---	80,439
Seabass, white	286,716	---	465,780	---	752,496	---	752,496
Shark	434,886	---	62,473	---	497,359	---	497,359
Sheephead, California	3,711	---	10	---	3,721	---	3,721
Skate	82,492	3,666	---	---	86,158	---	86,158
Smelt	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]	[illegible]	[illegible]	---	---	3,430,685	---	3,430,685
Sole, sand	1,307,988	73,749	---	---	1,381,737	---	1,381,737
	237,723	2,225	---	---	239,948	---	239,948
Sole, miscellaneous	31,974	490	---	---	32,464	---	32,464
Swordfish	649,502	---	---	---	649,502	---	649,502
Tuna, albacore	8,939,185	2,671,847	195,118	---	11,806,150	77,426,138	89,232,288
Tuna, bigeye	---	---	290,139	---	290,139	728,105	1,018,244
Tuna, bluefin	1,399,127	---	10,206,665	---	11,605,792	1,066,768	12,672,560
Tuna, skipjack	121	---	59,939,264	35,956	59,975,341	169,609,984	229,585,325
Tuna, skipjack, black	147,810	---	2,810,568	---	2,958,378	670	2,959,048
Tuna, yellowfin	84,082	---	246,026,397	---	246,110,479	16,942,915	263,053,394
Turbot	20,503	178	---	---	20,681	---	20,681
Wahoo	---	---	4,677	---	4,677	---	4,677
Whitefish, ocean	2,359	---	---	---	2,359	---	2,359
Yellowtail	103,645	---	101,312	---	204,957	---	204,957
Miscellaneous	39,551	---	---	---	39,551	---	39,551
Miscellaneous (animal food)	63,876	410	---	---	64,286	---	64,286
Crustacean:							
Crab, Dungeness	683,969	1,031	---	---	685,000	---	685,000
Crab, pelagic red	159	---	138,760	---	138,919	---	138,919
Crab, rock	864,033	---	---	---	864,033	---	864,033
Crab, spider	52	---	---	---	52	---	52
Lobster, California spiny	190,950	---	---	---	190,950	---	190,950
Prawn, ridgeback	4,015	---	---	---	4,015	---	4,015
Prawn, spot	218,167	---	---	---	218,167	---	218,167
Shrimp, bay	2,391	---	---	---	2,391	---	2,391
Shrimp, Pacific Ocean	2,361,970	25,396	---	---	2,387,366	---	2,387,366
Echinoderm:							
Sea urchin	7,107,815	---	---	---	7,107,815	---	7,107,815
Mollusk:							
Abalone, black	1,145,396	---	---	---	1,145,396	---	1,145,396
Abalone, green	121,563	---	---	---	121,563	---	121,563
Abalone, pink	455,324	---	---	---	455,324	---	455,324
Abalone, pinto	293	---	---	---	293	---	293
Abalone, red	751,060	---	---	---	751,060	---	751,060
Abalone, threaded	7,592	---	---	---	7,592	---	7,592
Abalone, white	113,765	---	---	---	113,765	---	113,765
Octopus	31,203	1,335	---	---	32,538	---	32,538
Oyster, eastern	2,177	---	---	---	2,177	---	2,177
Oyster, giant Pacific	797,565	---	---	---	797,565	---	797,565
Snail, sea	4,509	---	---	---	4,509	---	4,509
Squid, market	28,904,218	---	460	---	28,904,678	---	28,904,678
Miscellaneous mollusk	236	---	---	---	236	---	236
Total pounds	**341,858,387**	**4,990,657**	**325,459,243**	**35,956**	**672,344,243**	**265,774,580**	**938,118,823**

* For origin of shipments refer to Table 6. Beginning in 1965 only tuna shipments are recorded.

TABLE 8 Monthly Landings and Shipments into California during 1974

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS:													
Fish:													
Anchovy, northern	16,436,023	26,637,852	5,271,634	14,807,777	332,056	171,333	369,035	2,761,105	6,328,416	12,325,395	50,784,568	29,208,286	165,433,480
Barracuda, California	286	196	521	8,143	6,322	10,350	3,418	6,091	711	402	38	20	36,498
Blacksmith	---	---	---	---	---	---	24,605	---	---	---	---	---	24,605
Bonito, Pacific	236,359	101,060	104,698	116,395	47,559	1,232,548	2,119,217	3,511,921	4,060,378	3,022,479	2,337,304	1,927,848	18,817,766
Butterfish, Pacific	2,213	4,465	7,014	8,241	9,009	5,712	4,215	7,315	8,778	16,692	12,691	919	87,264
Cabezon	1,404	738	2,340	1,999	2,053	657	745	1,498	1,526	291	1,017	633	14,901
Croaker, white	24,569	46,584	47,808	40,222	72,673	55,396	60,732	18,960	30,330	31,371	42,705	42,367	514,317
Dolphinfish	---	---	795	113	---	---	29	1,709	48	141	---	---	2,835
Eel	---	11	33	6	---	---	149	170	---	33	---	---	402
Flounder	34,434	37,335	27,580	16,222	33,069	16,056	20,922	81,453	105,683	69,437	37,361	22,959	502,511
Flounder, arrowtooth	19,967	28,499	29,719	28,611	22,721	21,826	24,394	15,185	14,365	3,640	42	1,541	210,510
Flyingfish	---	---	---	---	13,205	12,971	22,451	22,029	2,070	---	---	---	72,726
Grenadiers	1,663	5,909	600	2,312	8,851	11,494	21,407	6,864	3,827	3,526	3,768	1,782	72,003
Grouper	---	125	260	---	---	---	---	45	---	---	---	13,593	14,023
Hake, Pacific	---	---	809	2,745	16,287	2,575	5,844	2,065	355	---	270	1,260	32,210
Halfmoon	322	1,136	1,806	520	909	462	26	542	491	175	462	1,070	7,921
Halibut, California	13,954	40,774	20,948	12,389	14,621	17,305	28,530	40,289	27,016	21,111	34,430	35,132	306,479
Herring, Pacific	2,164,473	2,889,550	550	29,758	51,603	30,510	97,030	---	---	---	---	800	5,260,274
Lingcod	96,563	115,250	138,416	178,600	327,786	570,040	571,333	620,281	565,387	348,491	189,700	102,280	3,824,107
Mackerel, jack	1,278,650	1,581,765	198,930	949,467	3,118,368	630,481	5,435,754	4,503,696	640,369	3,415,431	3,338,504	366,178	25,457,593
Mackerel, Pacific	10,136	50,430	---	73	---	---	11,778	2,935	1,420	200	56 474	---	133,446
Mudsucker, longjaw	74	68	152	187	324	66	177	108	136	107	269	88	1,756
Mullet	---	---	---	---	297	75	---	463	---	---	4	---	839
Opaleye	---	1,207	520	148	910	1,254	1,352	3,647	170	311	---	48	9,567
Perch	8,197	13,286	19,438	23,401	3,724	5,217	15,436	21,525	16,946	8,585	5,803	6,528	148,086
Queenfish	1,445	2,005	3,875	7,322	13,535	22,530	7,100	6,385	7,190	3,695	2,422	935	78 739
Rockfish	1,425,868	1,710,923	1,338,887	1,565,993	1,339,261	1,792,882	1,854,760	2,033,858	2,169,147	2,779,484	2,104,555	1,383,366	21,498,984
Sablefish	571,827	824,181	1,105,998	1,071,578	738,472	1,176,494	1,017,583	882,787	1,033,158	1,169,843	1,348,082	1,099,439	12,038,542
Salmon	---	---	---	788,986	2,159,275	2,356,532	2,269,658	913,849	260,944	170	---	---	8,749,414
Sanddab	76,307	56.769	97,769	103,009	37,587	69,953	77,767	131,344	156,895	84,460	51,943	31,473	975,276
Sardine, Pacific	400	7,500	---	---	---	---	6,150	---	---	---	---	---	14.050
Sargo	---	---	---	---	---	---	2,190	565	---	---	---	---	2,755
Sculpin	1,146	5,610	2,684	2,001	5,134	53,475	50,482	27,519	3,402	1,546	2,282	2,552	157,833
Sea bass, giant	4,221	4,190	7,924	2,229	2,771	8,050	2,149	16,961	819	20.771	5,514	4,840	80,439
Seabass, white	60,473	42,728	57,546	28,510	14,668	28,894	144,275	173,377	65,658	38,274	37,494	60,599	752,496
Shark	17,275	22,592	26,465	19,168	46,951	44,969	52,359	75,781	51,742	58,229	50,164	31,664	497,359
Sheephead, California	89	386	19	188	259	34	428	1,626	505	139	8	40	3,721
Skate	5,262	7,724	10,516	7,834	8,269	8,393	6,706	8,961	6,176	9,254	4,160	2,903	86,158
Smelt	2,968	15,401	2,726	8,659	27,249	58,354	103,527	110,960	106,148	27,193	15,680	647	479,312
Smelt, whitebait	12,893	35,067	25,874	37,705	59,445	70,276	42,246	5,931	95	---	---	---	289,532
Sole, Dover	599,905	1,466,759	1,995,291	2,707,687	1,277,593	2,357,509	1,947,929	1,396,982	1,578,802	1,264,261	1,197,781	1,296,986	19,087,485
Sole, English	304,873	287,588	287,964	241,339	187,068	202,799	259,823	459,686	660,923	442,875	249,780	281,781	3,813,499
Sole, petrale	550,200	259,732	228,422	202,502	146,456	247,444	255,811	280,385	313,695	309,811	200,869	360,027	3,430,685
Sole, rex	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Tuna, skipjack, black	---	21 705	78,410	496,791	632,677	551,751	129,945	80,145	87,345	---	174,296	705,313	2,958,378
Tuna, yellowfin	112,632	11,648,940	54,635,375	12,785,515	32,529,124	30,358,144	17,006,731	23,311,397	15,721,713	14,033,781	14,064,903	19,902,224	246,110,479
Turbot	3,926	3,715	975	882	199	1,201	1,130	4 834	627	558	1,111	1,523	20,681
Wahoo	---	---	---	---	2,342	---	---	271	940	---	---	1,124	4,677
Whitefish, ocean	---	6	---	---	---	---	102	661	577	1,002	11	---	2,359
Yellowtail	4,221	4,303	1,872	3,228	30,153	10,353	35,553	40,411	7,743	25,758	29,280	12,082	204,957
Miscellaneous	357	60	---	103	37,604	82	223	194	376	187	119	246	39,551
Miscellaneous (animal food)	4,640	2,840	13,267	22,750	507	---	9,430	885	8,705	285	977	---	64,286
Crustacean:													
Crab, Dungeness	128,182	192,727	109,661	76,160	64,849	17,943	1,384	4,324	---	---	48,269	41,501	685,000
Crab, pelagic red	---	---	68.120	---	70,656	36	---	---	---	---	---	107	138,919
Crab, rock	63,238	69,023	74,514	65,972	75,767	78,469	88,302	73,206	57,583	64,191	65,145	88,623	864,033
Crab, spider	---	35	---	---	---	---	---	---	17	---	---	---	52
Lobster, California spiny	30,843	29,338	16,106	---	---	---	---	---	---	53,468	34,675	26,520	190,950
Prawn, ridgeback	---	---	178	22	126	---	1,905	---	533	894	128	229	4,015
Prawn, spot	25,881	23,099	22,997	22,258	25,395	30,191	12,129	---	9,945	16,710	14,306	15,256	218,167
Shrimp, bay	---	---	---	---	---	---	---	236	1.581	574	---	---	2 391
Shrimp, Pacific Ocean	---	---	---	125,620	399,739	636,481	434,383	462,703	65,849	262,591	---	---	2,387,366
Echinoderm:													
Sea urchin	660,072	804,042	609,928	440,954	385,646	486,161	558,000	718,891	588,492	491,321	604,951	759,357	7,107,815
Mollusk:													
Abalone, black	124,238	2,837	65,513	47,478	89,443	138,006	213.440	---	160,715	137,070	103,194	63,462	1,145,396
Abalone, green	15 713	363	12,189	16,835	16,589	6,461	16,955	---	11,002	7,152	12.067	6,237	121,563
Abalone, pink	61,210	731	49,215	47,223	48,385	31,794	57,782	4	41,758	31,408	46,113	39,701	455,324
Abalone, pinto	20	---	---	---	87	170	14	---	---	---	---	2	293
Abalone, red	74,576	157	102,749	63,214	73,796	67,437	103,368	355	96,017	54,001	65,465	49,925	751,060
Abalone, threaded	769	---	792	1,324	974	337	649	---	888	885	789	185	7,592
Abalone, white	12 869	778	6,893	11,081	6,826	14,307	15,102	---	9,936	15,085	13,946	6,942	113,765
Octopus	3,092	4,847	3,578	2,163	1,377	2,894	2,838	3,134	2,856	3,039	1,304	1,416	32,538
Oyster, eastern	181	168	105	165	204	153	157	190	177	236	194	247	2.177
Oyster, giant Pacific	73,570	69,451	57,258	59,460	75,126	56,380	45,736	33,438	31,883	77,472	111,787	106,004	797,565
Snail, sea	617	572	345	30	30	80	14	---	1,094	656	567	504	4,509
Squid, market	2,898,712	3,526,981	3,284,586	2,561,941	4,565,478	6,440,955	1,712,596	335,529	591,635	380,820	468,200	2,137,245	28,904,678
Miscellaneous mollusk	77	104	55	---	---	---	---	---	---	---	---	---	236
Total pounds	28,467,635	54,162,706	75,669,782	43,394,395	62,414,949	64,344,460	46,150,090	52,752,676	43,095,615	48,550,603	85,197,743	68,143,589	672,344,243
SHIPMENTS:*													
Fish:													
Tuna, albacore	4,716,171	5,258,370	3,436,290	3,332,761	3,217,492	5,602,962	9,282,086	17,343,861	12,303,413	7,465,171	3,589,086	1,878,475	77,426,138
Tuna, bigeye	220,402	26,885	3,954	77,644	---	---	55,718	4,580	54,510	42,558	204,926	36,928	728,105
Tuna, bluefin	32,426	12,955	73,535	600,562	---	157,900	---	---	---	150,320	39 070	---	1,066,768
Tuna, skipjack	17,846,911	13,626,982	22,469,783	21,512,813	9,777,987	9,054,276	9,662,072	10,015,308	12,390,448	13,132,430	13,260,962	16,860,012	169,609,984
Tuna, skipjack, black	670	---	---	---	---	---	---	---	---	---	---	---	670
Tuna, yellowfin	2,287,869	995,778	409,348	601,957	405,412	765,308	1,139,230	1,647,980	3,414,127	911,811	2,485,679	1,878,416	16,942,915
Total pounds	25,104,449	19,920,970	26,392,910	26,125,737	13,400,891	15,580,446	20,139,106	29,011,729	28,162,498	21,702,290	19,579,723	20,653,831	265,774,580
Grand total	**53,572,084**	**74,083,676**	**102,062,692**	**69,520,132**	**75,815,840**	**79,924,906**	**66,289,196**	**81,764,405**	**71,258,113**	**70,252,893**	**104,777,466**	**88,797,420**	**938,118,823**

* For origin of shipments refer to Table 6. Beginning in 1965 only tuna shipments are recorded.

TABLE 9

Monthly Landings of Commercial Fishing Boats in the Eureka Area during 1974

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California waters:													
Fish:													
Anchovy, northern	---	---	---	---	---	---	470	470	---	---	---	---	940
Cabezon	216	206	118	---	---	---	---	5	7	---	---	---	552
Eel	---	---	9	---	---	---	30	---	---	6	---	---	45
Flounder	21,596	2,621	3,115	4,643	4,666	10,218	12,749	48,202	68,922	42,001	9,610	13,424	241,767
Flounder, arrowtooth	19,427	26,686	25,597	21,458	16,392	11,605	15,843	12,874	14,365	3,640	42	1,541	169,470
Grenadiers	738	2,125	---	684	8,851	11,454	21,322	6,864	3,827	3,526	3,768	1,782	64,941
Hake, Pacific	---	---	362	---	16,126	---	194	155	---	---	---	---	16,837
Halibut, California	---	---	---	---	30	49	---	---	4,026	---	---	---	4,105
Herring, Pacific	47,779	74,942	---	---	---	---	---	---	---	---	---	800	123,521
Lingcod	41,875	31,098	32,010	50,814	110,169	206,435	206,426	332,873	351,301	135,452	56,294	15,631	1,570,378
Mackerel, jack	---	---	---	---	---	---	543	---	---	2,080	---	---	2,623
Perch	940	721	4,429	4,216	207	237	4,707	11,067	7,164	93	49	203	34,033
Rockfish	445,903	443,497	487,953	536,586	340,226	557,496	670,393	684,944	956,273	934,405	713,172	450,984	7,221,832
Sablefish	280,585	395,802	594,975	544,610	281,430	564,205	410,153	252,402	327,609	390,460	600,482	427,959	5,070,972
Salmon	---	---	---	94,424	1,512,389	1,456,265	1,548,385	476,541	37,496	---	---	---	5,125,500
Sanddab	28,267	17,475	38,499	33,107	21,303	24,218	19,272	58,210	53,135	27,642	11,848	1,553	334,529
Shark	1,021	610	68	20	---	180	274	86	1,214	1,412	2,254	1,382	8,521
Skate	2,342	1,647	4,065	5,107	3,792	2,247	1,532	4,712	3,230	7,768	2,794	1,703	40,939
Smelt	102	248	556	2,591	19,215	51,281	90,529	108,512	104,310	17,969	---	---	395,313
Smelt, whitebait	12,893	34,029	24,825	33,725	54,360	66,559	41,718	4,875	---	---	---	---	272,984
Sole, Dover	461,695	1,092,486	1,562,183	2,013,947	1,017,946	2,018,592	1,678,990	1,208,000	1,340,355	1,103,905	1,126,972	1,036,646	15,661,717
Sole, English	141,661	57,463	99,979	132,783	90,744	98,179	142,067	324,368	386,170	209,623	50,414	23,362	1,756,813
Sole, petrale	428,835	119,009	82,369	32,251	32,859	80,614	71,055	90,130	102,219	78,834	152,179	261,911	1,535,265
Sole, rex	112,986	72,637	84,377	72,796	62,108	53,965	72,944	98,324	117,743	74,317	49,381	56,756	928,334
Sole, sand	9,695	5,102	5,037	8,382	2,363	2,482	3,143	7,943	7,447	17,224	9,656	6,471	84,945
Sole, miscellaneous	---	---	23	---	396	250	85	111	381	---	1,090	234	2,570
Tuna, albacore	---	---	---	1,430	1,158	15	1,469,814	1,316,887	325,963	63,851	---	---	3,179,118
Turbot	1,879	1,073	739	882	21	40	---	---	18	---	511	203	5,366
Miscellaneous	39	---	---	---	6	---	200	161	3	90	---	---	499
Miscellaneous (animal food)	---	---	4,787	---	---	---	---	---	---	---	---	---	4,787

Crustacean:													
Crab, Dungeness	58,690	105,115	79,960	51,074	43,041	9,529	1,384	4,324	---	---	---	789	353,906
Shrimp, Pacific Ocean	---	---	---	115,412	386,782	632,541	433,855	462,623	16,492	142,829	---	---	2,190,534
Echinoderm:													
Sea urchin	---	---	---	---	---	3,058	---	---	---	12,701	---	---	15,759
Mollusk:													
Octopus	2,302	3,348	2,439	1,678	1,121	1,472	1,228	1,877	2,313	1,701	792	302	20,573
Oyster, giant Pacific	54,112	50,915	36,984	44,650	51,824	34,586	20,740	11,305	10,174	44,132	59,873	59,338	478,633
Miscellaneous mollusk	65	104	---	---	---	---	---	---	---	---	---	---	169
Total pounds	2,175,643	2,538,959	3,175,458	3,807,270	4,079,525	5,897,772	6,943,345	5,528,845	4,242,157	3,315,661	2,851,181	2,362,974	46,918,790
Waters north of State:													
Fish:													
Flounder	---	64	532	180	147	25	---	---	476	446	---	712	2,582
Flounder, arrowtooth	275	65	762	5,783	5,674	7,791	2,319	---	---	---	---	---	22,669
Grenadiers	---	234	---	1,088	---	---	---	---	---	---	---	---	1,322
Hake, Pacific	---	---	---	---	140	---	---	---	---	---	---	---	140
Lingcod	---	529	891	9,197	19,266	20,396	9,837	3,465	7,118	3,274	---	2,451	76,424
Rockfish	2,956	25,693	26,547	77,386	47,079	23,092	20,204	637	16,710	19,742	---	31,884	291,930
Sablefish	6,156	40,833	35,884	133,053	48,539	44,693	13,192	2,017	9,524	12,655	---	26,155	372,701
Salmon	---	---	---	---	---	401	---	---	---	---	---	---	401
Sanddab	---	40	437	100	650	55	1,040	---	2,185	250	---	56	4,813
Skate	---	136	271	204	1,029	1,296	507	---	223	---	---	---	3,666
Sole, Dover	13,221	53,386	120,208	360,983	178,757	135,826	88,246	8,579	84,229	57,222	---	174,833	1,275,490
Sole, English	---	3,841	15,376	2,929	13,715	12,479	10,651	5,173	19,409	8,134	---	1,172	92,879
Sole, petrale	360	1,924	4,168	3,882	5,093	19,944	16,703	1,538	8,792	1,571	---	5,004	68,979
Sole, rex	1,655	8,864	5,124	22,195	12,990	6,574	4,202	416	5,415	1,546	---	4,768	73,749
Sole, sand	---	---	314	---	514	15	186	---	726	244	---	226	2,225
Sole, miscellaneous	---	490	---	---	---	---	---	---	---	---	---	---	490
Turbot	---	---	---	---	178	---	---	---	---	---	---	---	178
Miscellaneous (animal food)	---	---	410	---	---	---	---	---	---	---	---	---	410
Crustacean:													
Crab, Dungeness	---	---	---	---	---	---	---	---	---	---	---	1,031	1,031
Shrimp, Pacific Ocean	---	---	---	---	12,479	3,940	---	---	---	8,977	---	---	25,396
Mollusk:													
Octopus	---	---	10	218	125	505	356	---	121	---	---	---	1,335
Total pounds	24,623	136,099	210,934	617,198	346,375	277,032	167,443	21,825	154,928	114,061	---	248,292	2,318,810
Grand total	2,200,266	2,675,058	3,386,392	4,424,468	4,425,900	6,174,804	7,110,788	5,550,670	4,397,085	3,429,722	2,851,181	2,611,266	49,237,600

TABLE 10

Monthly Landings of Commercial Fishing Boats in the San Francisco Area during 1974

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California waters:													
Fish:													
Anchovy, northern	--	--	2,850	117,350	107,900	75,550	80,317	162,150	96,950	110,825	73,025	12,250	839,167
Cabezon	965	112	2	--	--	--	100	---	---	---	2	147	1,328
Croaker, white	1,260	580	1,273	4,622	5,637	7,786	6,232	5,773	6,203	5,460	4,440	987	50,253
Eel	---	---	---	---	---	---	115	165	---	---	---	---	280
Flounder	4,847	14,554	13,096	2,165	23,394	2,500	3,161	25,928	28,761	20,763	21,944	3,339	164,362
Flounder, arrowtooth	265	1,748	3,360	1,370	655	2,430	6,232	2,311	---	---	---	---	18,371
Greenlings	925	3,550	600	540	---	40	85	---	---	---	---	---	5,740
Halibut	---	---	---	---	---	---	---	12	---	---	---	---	12
Halibut, California	2,778	9,573	1,264	620	217	241	1,400	16,407	2,886	1,861	8,116	6,080	51,472
Herring, Pacific	2,912,964	2,814,908	550	---	---	-	---	--	---	--	--	---	4,927,852
Lingcod	25,591	29,914	24,591	27,395	54,654	142,100	220,210	154,166	60,830	60,901	43,536	29,957	884,115
Mackerel, jack	--	--	--	51	--	6	724	253	1,571	1,640	--	120	4,365
Mudsucker, longjaw	74	68	152	187	324	66	177	108	136	107	269	88	1,756
Perch	3,856	5,513	8,886	11,066	268	--	897	1,378	2,009	3,410	2,616	2,728	42,710
Rockfish	151,710	180,551	121,899	95,639	56,520	153,614	284,591	335,927	204,346	282,063	166,972	135,889	2,169,730
Sablefish	76,136	83,924	69,948	62,834	6,508	39,650	61,064	28,206	71,092	114,053	47,341	44,478	704,304
Salmon	-	--	--	544,273	437,208	620,642	621,423	353,015	198,794	170	---	---	2,774,925
Sanddab	31,266	26,260	51,015	61,275	6,967	16,295	26,721	44,399	61,327	14,991	35,554	24,964	430,074
Sea bass, giant	-	---	---	---	---	---	---	---	---	---	161	---	161
Seabass, white	---	---	---	---	---	---	---	---	---	---	---	26	26
Shark	5,230	1,266	690	1,320	225	2,836	6,237	23,905	10,632	21,221	14,478	6,813	97,886
Skate	300	2,985	1,450	590	66		180	375	1,100	204	708	200	7,558
Smelt	2,765	14,750	675	1,288	1,739	5,983	3,098	968	282	155	---	--	34,703
Smelt, whitebait	-	785	1,043	3,980	5,085	3,717	528	1,056	95	--	--	---	16,096
Sole, Dover	124,789	319,887	307,375	322,467	57,950	169,605	122,697	135,723	141,881	98,823	69,201	83,107	1,953,508
Sole, English	125,262	128,034	89,669	59,989	30,136	50,700	75,806	71,650	171,488	142,265	120,871	198,100	1,272,670
Sole, petrale	96,486	80,711	53,195	87,186	29,185	65,420	93,457	86,489	115,431	134,966	89,752	56,126	997,704
Sole, rex	20,261	24,376	19,947	13,835	1,997	11,415	15,042	18,037	25,591	27,649	17,014	35,268	236,532
Sole, sand	11,760	2,420	11,200	3,620	3,020	2,140	8,005	1,340	13,393	13,953	20,180	22,093	116,124
Sole, miscellaneous	---	715	1,085	---	--	--	1,759	2,629	2,950	1,310	3,140	1,495	15,083

Swordfish	---	---	---	---	---	---	---	---	677	---	---	---	677
Tuna, albacore	---	---	---	---	---	8,883	31,191	60,973	245,494	222,208	3,545	2,000	574,294
Tuna, skipjack	---	---	---	---	---	---	---	---	---	10	---	---	10
Turbot	740	2,530	80	---	---	---	1,130	1,585	120	22	49	1,320	7,576
Miscellaneous	---	---	---	---	---	---	---	---	---	---	119	246	365
Crustacean:													
Crab, Dungeness	55,981	68,092	15,175	5,186	80	---	---	---	---	---	43,989	34,675	223,178
Shrimp, bay	---	---	---	---	---	---	---	236	1,581	574	---	---	2,391
Shrimp, Pacific Ocean	---	---	---	5,721	---	---	---	---	49,333	110,785	---	---	165,839
Echinoderm:													
Sea urchin	21,800	13,800	---	---	---	---	---	---	---	---	---	---	35,600
Mollusk:													
Abalone, pinto	---	---	---	---	---	---	---	---	---	---	---	2	2
Abalone, red	416	---	225	2,245	1,806	4,309	17,281	---	8,695	2,181	2,136	749	40,043
Octopus	367	1,272	665	173	65	720	691	1,257	304	227	196	113	6,050
Oyster, eastern	181	168	105	165	204	153	157	190	177	236	194	247	2,177
Oyster, giant Pacific	13,914	12,456	14,242	9,610	14,670	16,562	17,956	17,569	16,717	16,652	18,465	19,741	188,554
Miscellaneous mollusk	---	---	5	---	---	---	---	---	---	---	---	---	5
Total pounds	2,892,599	3,872,233	815,357	1,449,975	854,689	1,402,763	1,708,664	1,557,480	1,540,846	1,439,688	807,986	723,348	19,065,628
Waters north of State:													
Fish:													
Tuna, albacore	---	---	---	---	---	---	---	20,507	---	36,270	---	---	56,777
Total pounds	---	---	---	---	---	---	---	20,507	---	36,270	---	---	56,777
Grand total	2,892,599	3,872,233	815,357	1,449,975	854,689	1,402,763	1,708,664	1,577,987	1,540,846	1,475,958	807,986	723,348	19,122,405

TABLE 11

Monthly Landings of Commercial Fishing Boats in the Monterey Area during 1974

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California waters:													
Fish*													
Anchovy, northern	130,000	564,050	553,000	311,675	---	2,200	115,695	897,075	582,410	1,211,500	5,544,210	226,800	10,138,615
Bonito, Pacific	---	---	---	---	---	---	---	---	637	1,498	760	---	2,895
Butterfish, Pacific	---	---	---	1,712	7,420	3,871	849	468	442	---	175	---	14,937
Cabezon	---	---	---	68	410	298	312	629	350	90	49	---	2,206
Croaker, white	1,698	275	2,025	1,425	2,680	35,979	48,918	1,015	2,651	4,330	3,570	2,201	106,737
Eel	---	---	---	6	---	---	4	5	---	---	---	---	15
Flounder	6,323	12,412	3,944	4,146	2,347	2,905	4,911	7,062	7,054	5,642	5,065	2,612	64,423
Hake, Pacific	---	---	---	---	---	70	---	---	---	---	---	---	70
Halibut, California	2,349	1,611	499	1,065	491	5 181	5,977	4,756	1,622	1,637	599	335	25,522
Herring, Pacific	---	---	---	29,758	51,603	30,510	97,030	---	---	---	---	---	208,901
Lingcod	21,637	34,065	19,133	20,357	43,923	99,743	88,012	33,950	59,806	97,795	53,830	27,533	599,784
Mackerel, jack	---	---	---	785	3,157	1,015	8,610	2,197	1,214	---	---	10	17,048
Mackerel, Pacific	---	---	---	---	---	---	---	20	---	---	---	---	20
Perch	144	546	749	1,004	947	---	487	97	---	55	372	112	4,513
Rockfish	463,241	639,835	267,692	420,611	465,589	484,938	366,262	454,519	439,131	822,130	803,970	373,046	6,000,964
Sablefish	206,804	303,800	401,583	325,001	398,080	512,686	519,609	596,748	620,232	647,550	695,243	598,054	5,825,390
Salmon	---	---	---	144,193	161,678	164,891	19,284	76,723	20,239	---	---	---	614,111
Sanddab	16,829	12,504	7,782	8,473	9,388	27,960	30,611	28,102	39,609	11,250	4,372	4,535	201,415
Seabass, white	50	39	---	---	85	---	---	262	4,421	231	70	40	5,198
Shark	1,774	572	128	985	200	5,550	5,163	4,206	3,523	14,417	6,379	3,473	46,370
Skate	2,620	3,856	4,730	1,933	3,332	4,615	1,467	3,769	1,323	1,282	543	790	33,260
Smelt	56	403	40	143	124	325	223	925	1,345	180	185	---	3,949
Smelt, whitebait	---	452	---	---	---	---	---	---	---	---	---	---	452
Sole, Dover	80	1,000	3,240	6,010	16,865	21,700	42,271	28,355	5,012	2,700	75	2,150	132,458
Sole, English	17,229	26,016	26,895	17,941	26,593	25,835	17,819	29,070	43,869	38,785	50,068	36,024	356,144
Sole, petrale	9,805	32,833	45,689	16,147	29,962	29,410	45,364	36,020	19,913	38,866	17,940	17,956	339,905
Sole, rex	11,390	22,257	7,702	4,370	4,270	1,205	1,685	4,955	3,860	5,698	11,570	6,365	85,327
Sole, sand	145	515	1,170	915	550	320	120	780	1,755	580	1,295	1,055	9,200
Sole miscellaneous	191	191	216	96	314	660	772	347	122	666	640	1,029	5,244
Swordfish	---	---	---	---	---	---	---	753	911	229	---	---	1,893

Tuna albacore	---	---	---	---	---	7,240	1,989	91,440	1,398,449	785,064	34,687	---	2,318,869
Turbot	---	---	---	---	---	---	---	---	---	370	---	---	370
Yellowtail	---	---	---	---	---	---	---	350	48	---	---	---	398
Miscellaneous	318	60	---	103	65	---	---	---	---	84	---	---	630
Crustacean:													
Crab, Dungeness	555	554	490	34	---	---	---	---	---	---	328	652	2 603
Crab, rock	---	---	32	44	---	148	60	8	---	120	16	---	428
Prawn, spot	4,867	2,178	1,476	205	---	---	---	---	2,882	4,892	6,840	4,721	28,061
Shrimp, Pacific Ocean	---	---	---	---	---	---	---	80	---	---	---	---	80
Mollusk:													
Abalone, red	---	---	---	45	---	---	---	---	---	---	---	---	45
Octopus	423	227	428	94	68	22	65	---	---	35	316	104	1,780
Squid, market	---	30	300	1,912,758	4,166,800	5,664,675	1,191,573	317,480	565,561	380,820	284,900	10,320	14,495,217
Miscellaneous mollusk	12	---	50	---	---	---	---	---	---	---	---	---	62
Grand total	896,510	1,659,681	1,348,983	3,232,102	5,396,939	7,136,985	2,645,272	2,622,166	3,828,391	4,078,496	7,528,067	1,319,917	41,695,509

TABLE 12

Monthly Landings of Commercial Fishing Boats in the Santa Barbara Area during 1974

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California waters:													
Fish:													
Anchovy, northern	3,701,700	3,853,900	---	21,200	46,500	52,741	81,700	1,303,550	5,498,500	7,892,950	8,476,900	5,133,800	36,063,441
Barracuda, California	---	---	---	---	---	---	---	---	---	327	38	20	385
Bonito, Pacific	15,951	---	---	---	---	---	---	434,673	497,407	561,109	243,664	369,013	2,121,817
Butterfish, Pacific	58	---	54	---	---	---	---	1,202	938	---	---	---	2,252
Cabezon	241	420	2,214	1,931	1,643	359	333	864	1,169	201	966	486	10,797
Croaker, white	45	4,942	7,429	2,691	4,576	240	---	1,648	2,487	114	1,932	---	26,104
Eel	---	---	24	---	---	---	---	---	---	---	---	---	24
Flounder	1,668	7,684	6,983	5,075	2,515	408	101	261	470	585	742	2,872	29,364
Halibut, California	8,180	11,406	5,291	2,600	3,650	9,057	5,748	10,080	10,844	12,261	19,009	15,387	113,513
Lingcod	7,425	9,537	61,791	70,847	99,753	101,366	46,848	95,527	86,332	51,069	35,042	26,708	692,245
Mackerel, jack	446,700	---	---	---	112,900	---	---	105,600	12	---	---	---	665,212
Opaleye	---	---	---	---	---	---	---	---	---	261	---	---	261
Perch	1,559	1,733	2,232	3,760	73	13	1,628	3,611	3,175	2,887	1,169	414	22,287
Rockfish	207,609	250,094	256,843	263,360	236,946	462,156	116,138	428,355	427,669	548,266	273,334	216,713	3,987,783
Sablefish	2,045	605	2,615	4,685	3,380	13,125	11,287	2,835	1,215	4,570	4,255	1,971	55,888
Salmon	---	---	---	6,096	48,000	114,540	53,457	7,570	4,400	---	---	---	234,063
Sanddab	5	445	---	---	79	1,277	114	627	564	327	169	365	3,972
Sea bass, giant	---	---	---	136	187	---	499	326	331	---	---	---	1,479
Seabass, white	1,094	409	6,288	1,651	3,382	2,837	1,210	2,445	6,128	3,496	3,571	2,989	38,500
Shark	3,685	2,560	6,569	4,349	4,978	3,191	10,803	11,761	13,211	5,607	2,756	3,089	72,892
Sheephead, California	---	238	---	---	---	---	---	85	---	---	---	---	323
Skate	---	---	---	---	---	---	---	---	---	---	---	210	210
Smelt	---	---	40	---	---	---	---	---	---	---	---	---	40
Sole, Dover	120	---	2,285	2,025	5,150	8,331	15,305	16,325	7,325	1,611	1,160	250	59,887
Sole, English	17,721	22,234	56,045	25,950	15,945	13,955	11,070	24,585	38,812	44,068	26,717	18,568	315,670
Sole, petrale	15,243	16,255	42,901	62,279	43,706	39,371	22,840	64,763	67,150	55,574	30,498	19,030	479,601
Sole, rex	5,320	5,685	5,766	2,290	1,165	250	2,185	3,935	4,180	17,639	4,325	2,120	54,860
Sole, sand	5,634	5,618	8,415	3,256	1,156	680	1,125	---	---	470	665	419	27,438
Sole, miscellaneous	70	407	323	126	398	15	---	65	525	278	1,176	2,228	5,641
Swordfish	---	---	---	---	---	891	12,237	12,081	24,425	48,900	6,158	3,789	108,484
Tuna, albacore	19	---	---	---	---	9,037	13,345	146,086	237,030	715,614	17,237	---	1,138,368
Tuna, bluefin	---	---	---	---	---	---	---	---	88	---	---	---	88
Turbot	1,307	112	156	---	---	1,161	---	3,249	489	166	551	---	7,191
Whitefish, ocean	---	---	---	---	---	---	---	661	577	---	---	---	1,238
Yellowtail	---	---	---	---	---	---	---	---	74	86	31	---	249

Crustacean:													
Crab, Dungeness	12,956	18,966	14,046	19,866	21,728	8,414	---	---	---	---	3,952	4,354	104,282
Crab, pelagic red	---	---	---	---	16	36	---	---	---	---	---	107	159
Crab, rock	23,565	21,781	33,986	31,333	23,254	14,964	9,038	13,146	15,669	10,951	10,144	41,742	249,573
Crab, spider	---	35	---	---	---	---	---	---	17	---	---	---	52
Lobster, California spiny	10,849	7,844	5,808	---	---	---	---	---	---	6,756	8,051	8,088	47,396
Prawn, ridgeback	---	---	178	22	126	---	1,905	---	533	894	128	229	4,015
Prawn, spot	21,014	20,921	21,521	22,053	25,395	30,191	12,129	---	7,063	11,818	7,466	10,535	190,106
Shrimp, Pacific Ocean	---	---	---	4,487	478	---	528	---	24	---	---	---	5,517
Echinoderm:													
Sea urchin	600,997	712,378	609,559	440,934	374,806	478,103	534,200	718,607	588,155	476,746	601,450	757,129	6,893,064
Mollusk:													
Abalone, black	83,877	---	44,414	29,356	54,583	111,201	111,566	---	90,813	106,422	98,879	62,585	793,696
Abalone, green	773	---	153	239	651	71	435	---	20	29	660	16	3,047
Abalone, pink	18,410	---	20,180	25,109	16,481	11,268	22,556	4	15,594	12,957	23,352	22,800	188,711
Abalone, red	66,816	---	97,542	57,279	65,398	56,146	77,720	355	76,601	43,027	54,189	43,931	639,004
Abalone, threaded	275	---	503	1,078	643	77	308	---	253	595	321	44	4,097
Abalone, white	40	---	32	200	73	---	678	---	320	120	---	8	1,471
Octopus	---	---	36	---	---	175	498	---	116	1,076	---	897	2,798
Oyster, giant Pacific	5,544	6,080	6,032	5,200	8,632	5,232	7,040	4,564	4,992	16,688	33,449	26,925	130,378
Squid, market	190,400	115,100	1,326,486	347,050	180,535	222,200	114,820	---	---	---	77,700	1,261,050	3,835,341
Total pounds	5,483,525	5,100,259	2,662,810	1,491,254	1,408,881	1,773,715	1,614,182	3,420,379	7,747,701	10,656,800	10,072,783	8,060,881	59,493,170
Waters south of State:													
Fish:													
Dolphinfish	---	---	---	113	---	---	---	---	---	---	---	---	113
Tuna, yellowfin	---	---	---	995	---	---	---	---	---	---	---	---	995
Total pounds	---	---	---	1,108	---	---	---	---	---	---	---	---	1,108
Grand total	**5,483,525**	**5,100,259**	**2,662,810**	**1,492,362**	**1,408,881**	**1,773,715**	**1,614,182**	**3,420,379**	**7,747,701**	**10,656,800**	**10,072,783**	**8,060,881**	**59,494,278**

TABLE 13

Monthly Landings and Shipments of Commercial Fish into the Los Angeles Area during 1974

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California waters:													
Fish:													
Anchovy, northern	12,604,300	22,219,892	4,715 784	14,357,552	177,646	40,842	90,846	397,860	150,556	3,110,120	36,689,420	23,834,548	118,389,366
Barracuda, California	265	---	256	8,143	6,214	9,853	3.332	6,079	559	72	---	---	34,773
Blacksmith	---	---	---	---	---	---	24,605	---	---	---	---	---	24,605
Bonito, Pacific	156,068	80,629	104,531	100,708	11,718	12,928	921,871	2,019,776	2,241,444	2,406,760	1,970,146	1,452,966	11,479,545
Butterfish, Pacific	2,155	4,465	6,960	6,529	1,356	1,486	2,856	5,572	7,209	16,692	12,516	919	68,715
Cabezon	12	---	6	---	---	---	---	---	---	---	---	---	18
Croaker, white	21,836	40,491	36,848	31,131	59,432	11,145	5,232	10,365	18,989	21,467	32,763	39,179	328,878
Eel	---	11	---	---	---	---	---	---	---	27	---	---	38
Flyingfish	---	---	---	---	13,205	12,971	22,451	22,029	2,070	---	---	---	72,726
Hake, Pacific	---	---	---	2,440	---	2,415	5,650	1,910	355	---	270	1,260	14,300
Halfmoon	---	84	210	---	813	375	26	350	---	---	---	507	2 365
Halibut, California	85	17,435	12,212	6,819	9,285	570	10,364	4,009	2,716	275	1,292	10,316	75,378
Lingcod	---	---	---	20	---	---	---	---	---	---	797	---	817
Mackerel, jack	817,450	1,581,765	198,330	948,497	3,001,906	629,149	5,425,717	4,395,646	637,373	3,411.711	3,338,470	366,048	24,752,662
Mackerel, Pacific	9,730	50,430	---	---	---	---	11,778	2,915	1,420	200	56,069	---	132,542
Opaleye	---	1,207	520	148	910	1,254	1,352	3,647	170	50	---	48	9.306
Perch	1,461	3.050	2,885	3,221	---	2,393	3,097	2,712	1,972	1,266	1,409	1,257	24,723
Queenfish	1,445	2 005	3,875	7,322	13,535	22,530	7,400	6,385	7,190	3,695	2,422	935	78,739
Rockfish	18,771	28,265	61,533	52,809	52,112	44,226	24,698	42,494	10,862	49,214	39,612	70,190	494,786
Sablefish	---	---	---	218	---	1,379	1,712	236	---	---	522	---	4,067
Salmon	---	---	---	---	---	382	---	---	---	---	---	---	382
Sanddab	---	45	36	54	100	108	---	---	75	---	---	---	418
Sardine, Pacific	400	7,500	---	---	---	---	6 150	---	---	---	---	---	14,050
Sargo	---	---	---	---	---	---	2,190	565	---	---	---	---	2,755
Sculpin	878	3,653	2,278	1,746	639	5,763	3,078	584	797	351	468	310	20,545
Sea bass, giant	---	---	3,150	202	220	7,330	768	261	365	20,000	282	393	32,971
Seabass, white	---	408	4.158	1,413	2,197	2,338	13,282	56,524	41,740	7,491	4,076	2,797	136,424
Shark	49	4,467	10,714	3,743	7,969	11,030	13,532	14,021	12,183	4,194	5,916	3,998	91 816
Sheephead, California	51	148	7	188	259	---	162	260	505	16	8	40	1,644
Skate	---	---	---	---	50	235	20	105	---	---	115	---	525

Smelt	45	---	1,415	1,637	6,171	765	9,477	555	---	8,889	14,616	360	43.930
Sole, Dover	---	---	---	2,255	925	455	420	---	---	---	370	---	4,425
Sole, English	---	---	---	1,747	935	1,625	2,360	4,840	1,475	---	1,710	4,555	19.247
Sole, petrale	---	---	---	466	50	3,185	3,395	1,445	190	---	500	---	9,231
Sole, rex	---	---	---	1,360	215	440	85	235	200	---	270	130	2,935
Sole, miscellaneous	---	4	---	12	---	50	280	137	---	---	---	---	483
Swordfish	---	---	---	---	---	6,873	45,956	16,455	55,189	154,034	89,119	4,911	372,537
Tuna, albacore	---	---	---	---	---	28,783	9,053	19,859	60.412	926,875	78,936	---	1,123,918
Tuna, bluefin	---	---	---	---	---	---	350,429	692,930	229,463	122,433	175	---	1,395.430
Tuna, skipjack, black	---	---	---	---	---	---	129,945	17,865	---	---	---	---	147,810
Tuna, yellowfin	---	2,115	5,020	4,785	845	36,590	---	4,000	---	---	3,820	---	57,175
Yellowtail	---	---	---	34	1.626	3,845	3,561	2,860	2,221	4,689	618	400	19 854
Miscellaneous	---	---	---	---	37,533	77	23	18	40	---	---	---	37,691
Miscellaneous (animal food)	---	---	---	---	507	---	---	---	---	---	---	---	507
Crustacean:													
Crab, rock	33,375	42,680	35,430	31,091	50,055	62,327	73,601	58,947	41,027	49,928	51 590	41,800	571,851
Lobster, California spiny	13,894	15,676	7,707	---	---	---	---	---	---	17,800	13,839	10,586	79,502
Echinoderm:													
Sea urchin	28,746	42,335	122	---	---	---	---	---	---	---	---	---	71,203
Mollusk:													
Abalone, black	39,451	2,837	21,066	17,704	32.003	21,999	94,521	---	68,373	30,550	4,315	812	333,631
Abalone, green	13,016	363	11,770	15,262	13,169	4,939	12,870	---	10,585	5,742	8,799	3,243	99,758
Abalone, pink	24,292	731	24,922	18,947	22,832	15,030	28,518	---	22,992	14,325	19,189	13,392	205,170
Abalone, red	2,633	---	19	---	7	952	1,391	---	360	15	3,778	947	10,102
Abalone, white	7,490	---	3,651	8,171	2,009	9,821	9,498	---	9,375	14,258	12,792	6,887	83,952
Snail, sea	530	547	345	30	30	80	---	---	1,080	418	415	377	3,852
Squid, market	2,615,980	3,146,460	1,952,425	297,225	216,896	554,080	406,075	15,144	23,515	---	105,600	865,850	10,199,250
Total pounds	16,414,408	27,299,698	7,228,785	15,933,629	3,745,374	1,572,618	7,783,627	7,829,595	3,665,047	10,403,557	42,567,024	26,739,961	171,183,323
Waters north of State:													
Fish:													
Tuna, albacore	---	---	---	---	---	---	---	5,367	149,146	1,943,924	81.869	---	2,180,306
Total pounds	---	---	---	---	---	---	---	5,367	149,146	1,943,924	81,869	---	2,180,306
Waters south of State:													
Fish:													
Bonito, Pacific	---	13,555	---	---	---	779,600	617,979	646,700	656,600	---	20,850	32,255	2,767,539
Dolphinfish	---	---	---	---	---	---	---	1,670	---	---	---	---	1,670
Grouper	---	---	---	---	---	---	---	45	---	---	---	12,000	12.045
Rockfish	---	25	---	1,290	---	---	---	---	---	374	---	1,120	2,809
Sea bass, giant	1,547	884	---	1,531	504	670	330	15,880	---	162	2,146	2,465	26,119

TABLE 13

Monthly Landings and Shipments of Commercial Fish into the Los Angeles Area during 1974—Continued

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Seabass, white	19,349	7,504	94	23 766	860	17,405	42,835	33,130	---	20,444	11,646	15,376	192,400
Shark	861	1,184	---	2,096	996	1,105	---	410	---	3,955	994	3,138	14,739
Tuna, albacore	---	---	---	---	---	---	67	---	765	7,893	---	---	8,725
Tuna, bigeye	---	---	---	---	---	---	---	---	---	---	49,770	---	49,770
Tuna, bluefin	---	---	---	9,490	---	50,647	1,997,027	2,627,969	1,454 414	---	58,720	75,910	6,274,177
Tuna, skipjack	30,625	441,307	3,778,655	1,115,732	10,402,754	9,920,899	3,272,083	1,733,749	1,518,011	871,043	3,259,513	4,317,120	40,661,399
Tuna, skipjack, black	---	1,450	32,770	463,130	606,982	414,893	---	62,280	52,875	---	23,225	567,505	2,230 110
Tuna, yellowfin	111,500	7,380,574	44,986,053	9,041,535	25,640,385	22,740,099	14,716,243	17,378,393	13,255,037	12,278,409	11,766,794	17,862,812	197,180,340
Yellowtail	1,393	1,225	---	2,097	4,707	265	13,154	19,060	---	7,338	2,410	2,413	54,062
Crustacean:													
Crab, pelagic red	---	---	68,120	---	70,640	---	---	---	---	---	---	---	138,760
Total pounds	165,666	7,871,808	48,865,696	10,663,667	36,727,828	33,925,493	20,659,718	22,519,286	16,937,702	13,189,618	15,196,068	22,892,114	249,614,664
Shipments:*													
Fish:													
Tuna, albacore	4,716 171	5,258,370	1,522,002	3,332,761	3,217,492	5,602,962	9,282,086	16,226,533	10,417,461	7,181 464	3,589 086	1,878,475	72,224,866
Tuna, bigeye	220,402	26 885	3,951	77,641	---	---	55,718	4,580	54,510	42,558	204,926	36,928	728,105
Tuna, bluefin	32,426	12,955	73,535	600,562	---	157,900	---	---	---	150,320	39,070	---	1,066,768
Tuna, skipjack	16,440,129	13,626,982	20,294,946	15,368,506	8,749,555	8,966,503	9,662,072	9,919,190	10,415,733	12,246,329	11,490,022	15,131,192	156,311,159
Tuna, skipjack, black	670	---	---	---	---	---	---	---	---	---	---	---	670
Tuna, yellowfin	2,287,869	995,778	499,548	601,957	405,112	765,308	1,139,230	1,647,980	3,102,311	868,644	2,485,679	1,678,445	16,387,964
Total pounds	23,697,667	19,920,970	22,393,785	20,981,430	12,372,459	15,492,673	20,139,106	27,798,283	23,990,021	20,489,315	17,808,783	18,725,040	246,719,532
Grand total	**40,277,741**	**55,092,476**	**78,398,266**	**50,578,726**	**52,845,661**	**50,990,784**	**48,582,451**	**58,152,531**	**44,741,916**	**46,026,414**	**75,653,744**	**68,357,115**	**669,697,825**

* For origin of shipments refer to Table 6. Beginning in 1965 only tuna shipments are recorded.

TABLE 14

Monthly Landings and Shipments of Commercial Fish into the San Diego Area during 1974

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California waters:													
Fish:													
Anchovy, northern	23	10	---	---	10	---	7	---	---	---	1,013	888	1,951
Barracuda, California	21	196	265	---	108	475	86	12	152	3	---	---	1,318
Bonito, Pacific	307	473	167	148	511	575	9,130	94,980	38,361	16,521	7,503	4,453	173,129
Butterfish, Pacific	---	---	---	---	233	355	510	73	189	---	---	---	1,360
Croaker, white	60	596	233	353	348	246	350	159	---	---	---	---	2,345
Dolphinfish	---	---	---	---	---	---	29	39	48	141	---	---	257
Flounder	---	---	---	13	---	---	---	---	---	---	---	---	13
Hake, Pacific	---	---	447	305	21	90	---	---	---	---	---	---	863
Halfmoon	322	1,052	1,596	520	96	87	---	180	491	175	462	563	5,544
Halibut, California	384	1,331	1,653	1,285	948	2,207	5,041	5,037	4,922	5,077	5,414	3,001	36,300
Lingcod	35	87	---	---	21	---	---	---	---	---	201	---	344
Mackerel, jack	14,500	---	---	134	225	281	130	---	199	---	34	---	15,503
Mackerel, Pacific	406	---	---	73	---	---	---	---	---	---	405	---	884
Mullet	---	---	---	---	297	75	---	463	---	---	4	---	839
Perch	197	1,723	257	191	1,849	2,574	4,620	2,627	2,626	874	188	1,814	19,540
Rockfish	123,635	138,500	115,500	108,676	140,780	67,360	72,174	83,114	110,636	122,695	104,887	99,756	1,287,713
Sablefish	101	117	93	1,177	535	456	266	343	486	555	269	822	5,220
Salmon	---	---	---	---	---	8	9	---	15	---	---	---	32
Sanddab	---	---	---	---	---	40	9	6	---	---	---	---	55
Sculpin	268	1,957	406	255	1,402	19,557	22,612	8,940	2,583	1,195	1,814	2,242	63,231
Sea bass, giant	---	---	---	360	130	50	552	354	123	609	1,285	700	4,163
Seabass, white	5,273	5,163	3,483	1,680	3,634	6,314	17,369	35,907	11,767	2,946	4,033	8,999	106,568
Shark	1,524	1,525	1,592	6,655	24,207	20,774	14,384	12,964	10,777	7,080	9,875	6,044	117,401
Sheephead, California	38	---	12	---	---	34	266	1,271	---	123	---	---	1,744
Smelt	---	---	---	---	---	---	---	---	211	---	879	287	1,377
Sole, English	---	---	---	---	---	26	50	---	---	---	---	---	76
Sole, sand	---	---	---	---	---	16	---	---	---	---	---	---	16
Sole, miscellaneous	---	172	424	65	511	388	333	556	236	211	43	14	2,953
Swordfish	---	---	434	695	541	8,134	36,595	1,753	24,946	51,269	37,177	4,367	165,911
Tuna, albacore	---	---	---	---	---	425	62,099	3,942	153,528	374,896	9,728	---	604,618

TABLE 14

Monthly Landings and Shipments of Commercial Fish into the San Diego Area during 1974—Continued

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Tuna, bluefin	---	---	---	---	---	---	533	1,795	528	441	312	---	3,609
Tuna, skipjack	---	---	---	---	---	---	---	---	---	67	44	---	111
Tuna, yellowfin	---	---	641	---	---	12,046	77	13,871	224	48	---	---	26,907
Whitefish, ocean	---	6	---	---	---	---	102	---	---	1,002	11	---	1,121
Yellowtail	527	---	---	1,097	22,808	6,121	11,990	12,912	4,823	5,115	15,356	2,395	83,144
Miscellaneous	---	---	---	---	---	5	---	---	34	13	---	---	52
Crustacean:													
Crab, rock	6,298	4,562	5,066	3,504	2,458	1,030	5,603	1,105	887	3,192	3,395	5,081	42,181
Lobster, California spiny	6,100	5,818	2,591	---	---	---	---	---	---	28,912	12,785	7,846	64,052
Echinoderm:													
Sea urchin	8,529	35,529	247	20	10,840	5,000	23,800	284	337	1,874	3,501	2,228	92,189
Mollusk:													
Abalone, black	910	---	33	418	2,857	4,806	7,353	---	1,529	98	---	65	18,069
Abalone, green	1,924	---	266	1,334	2,769	1,451	3,650	---	397	1,381	2,608	2,978	18,758
Abalone, pink	18,508	---	1,113	3,167	9,072	5,496	6,708	---	3,172	4,126	3,572	3,509	61,443
Abalone, pinto	20	---	---	---	87	170	14	---	---	---	---	---	291
Abalone, red	4,711	157	4,963	3,645	6,585	6,030	6,976	---	10,361	8,778	5,362	4,298	61,866
Abalone, threaded	494	---	289	246	331	260	341	---	635	290	468	141	3,495
Abalone, white	5,339	778	3,210	2,710	4,744	4,486	4,926	---	241	707	1,154	47	28,342
Octopus	---	---	---	---	---	---	---	---	2	---	---	---	2
Snail, sea	87	25	---	---	---	---	14	---	14	238	152	127	657
Squid, market	92,332	265,391	5,375	4,908	787	---	128	2,905	2,559	-	---	25	374,410
Total pounds	292,873	465,168	153,356	143,634	239,745	177,448	318,836	285,592	388,039	640,652	233,934	162,690	3,501,967
Waters north of State:													
Fish:													
Tuna, albacore	---	---	---	---	---	---	---	---	---	434,764	---	---	434,764
Total pounds	---	---	---	---	---	---	---	---	---	434,764	---	---	434,764
Waters south of State:													
Fish:													
Barracuda, California	---	---	---	---	---	22	---	---	---	---	---	---	22
Bonito, Pacific	64,033	6,403	---	15,539	35,330	439,445	570,237	315,792	625,929	36,591	94,381	69,161	2,272,841
Dolphinfish	---	---	795	---	---	---	---	---	---	---	---	---	795
Grouper	---	125	260	---	---	---	---	---	---	---	---	1,593	1,978
Halibut, California	158	18	---	---	---	---	---	---	---	---	---	13	189

Mackerel, jack	---	---	---	---	180	---	---	---	---	---	---	---	180
Perch	---	---	---	---	280	---	---	---	---	---	---	---	280
Rockfish	12,043	4,463	920	9,636	---	---	---	3,868	3,520	595	2,608	3,784	41,437
Sculpin	---	---	---	---	3,093	28,155	24,792	17,995	22	---	---	---	74,057
Sea bass, giant	2,674	3,306	4,774	---	1,730	---	---	140	---	---	1,640	1,282	15,546
Seabass, white	34,716	29,205	43,523	---	4,510	---	66,579	45,109	1,602	3,666	14,098	30,372	273,380
Shark	3,131	7,348	6,704	---	8,376	---	1,966	8,428	202	340	7,512	3,727	47,734
Sheephead, California	---	---	---	---	---	---	---	10	---	---	---	---	10
Tuna, albacore	---	---	---	---	---	2,355	63,815	37	519	119,514	135	18	186,393
Tuna, bigeye	---	---	---	---	---	---	---	---	---	---	240,369	---	240,369
Tuna, bluefin	---	---	---	---	---	---	475,233	1,497,474	1,149,439	198,530	492,352	119,460	3,932,488
Tuna, skipjack	---	902,449	1,460,260	2,260,522	2,644,691	4,004,268	809,180	1,132,148	157,986	174,022	2,549,511	3,182,828	19,277,865
Tuna, skipjack, black	---	15,255	45,640	33,661	25,695	136,858	---	---	34,470	---	151,071	137,808	580,458
Tuna, yellowfin	732	4,247,151	9,643,655	3,735,200	6,887,894	7,569,409	2,290,411	5,915,133	2,466,452	1,755,324	2,294,289	2,029,412	48,845,062
Wahoo	---	---	---	---	2,342	---	---	271	940	---	---	1,124	4,677
Yellowtail	2,301	3,078	1,872	---	1,012	122	6,790	5,229	577	8,530	10,865	6,874	47,250
Mollusk:													
Squid, market	---	---	---	---	460	---	---	---	---	---	---	---	460
Total pounds	119,788	5,218,801	11,208,403	6,054,558	9,615,593	12,180,634	4,309,003	8,941,634	4,441,658	2,297,112	5,858,831	5,597,456	75,843,471
Central Pacific Islands:													
Fish:													
Tuna, skipjack	---	---	---	---	---	---	---	---	---	---	---	35,956	35,956
Total pounds	---	---	---	---	---	---	---	---	---	---	---	35,956	35,956
Shipments:*													
Fish:													
Tuna, albacore	---	---	1,914,288	---	---	---	---	1,117,328	1,885,949	283,707	---	---	5,201,272
Tuna, skipjack	1,406,782	---	2,174,837	2,144,307	1,028,432	87,773	---	96,118	1,974,715	886,101	1,770,940	1,728,820	13,298,825
Tuna, yellowfin	---	---	---	---	---	---	---	---	311,813	43,167	---	199,971	554,951
Total pounds	1,406,782	---	4,089,125	2,144,307	1,028,432	87,773	---	1,213,446	4,172,477	1,212,975	1,770,940	1,928,791	19,055,048
Grand total	**1,819,443**	**5,683,969**	**15,450,884**	**8,342,499**	**10,883,770**	**12,445,855**	**4,627,839**	**10,440,672**	**9,002,174**	**4,585,503**	**7,863,705**	**7,724,893**	**98,871,206**

* For origin of shipments refer to Table 6. Beginning in 1965 only tuna shipments are recorded.

TABLE 15

Value of Landings and Shipments of Commercial Fish into California by Area, 1974

Species	Eureka	San Francisco	Monterey	Santa Barbara	Los Angeles	San Diego	Total
LANDINGS:							
Fish:							
Anchovy, northern	940	839,167	10,138,615	36,063,441	118,389,366	1,951	165,433,48
	$164	$73,344	$207,841	$699,631	$2,450,660	$454	$3,432,09
Barracuda, California	---	---	---	385	34,773	1,340	36,49
	---	---	---	$173	$18,235	$429	$18,83
Blacksmith	---	---	---	---	24,605	---	24,60
	---	---	---	---	$1,235	---	$1,23
Bonito, Pacific	---	---	2,895	2,121,817	14,247,084	2,445,970	18,817,76
	---	---	$408	$269,896	$1,913,384	$328,250	$2,511,93
Butterfish, Pacific	---	---	14,937	2,252	68,715	1,360	87,26
	---	---	$11,779	$824	$33,189	$401	$46,19
Cabezon	552	1,328	2,206	10,797	18	---	14,90
	$73	$92	$259	$1,159	$4	---	$1,58
Croaker, white	---	50,253	106,737	26,104	328,878	2,345	514,31
	---	$10,819	$8,966	$4,522	$59,658	$522	$84,48
Dolphinfish	---	---	---	113	1,670	1,052	2,83
	---	---	---	$28	$334	$150	$51
Eel	45	280	15	24	38	---	40
	$9	$17	$2	$5	$4	---	$3
Flounder	244,349	164,362	64,423	29,364	---	13	502,51
	$26,560	$17,374	$9,470	$3,753	---	$5	$57,16
Flounder, arrowtooth	192,139	18,371	---	---	---	---	210,51
	$11,030	$1,084	---	---	---	---	$12,11
Flyingfish	---	---	---	---	72,726	---	72,72
	---	---	---	---	$18,181	---	$18,18
Grenadiers	66,263	5,740	---	---	---	---	72,00
	$3,314	$287	---	---	---	---	$3,60
Grouper	---	---	---	---	12,045	1,978	14,02
	---	---	---	---	$4,818	$753	$5,57
Hake, Pacific	16,977	---	70	---	14,300	863	32,21
	$1,046	---	$4	---	$715	$130	$1,89
Halfmoon	---	12	---	---	2,365	5,544	7,92
	---	$2	---	---	$811	$1,690	$2,50
Halibut, California	4,105	51,472	25,522	113,513	75,378	36,489	306,47
	$3,281	$28,058	$15,630	$83,433	$47,796	$25,747	$203,94
Herring, Pacific	123,521	4,927,852	208,901	---	---	---	5,260,27
	$12,562	$520,381	$23,815	---	---	---	$556,75
Lingcod	1,646,802	884,115	599,784	692,245	817	344	3,824,10
	$226,106	$103,088	$85,950	$94,653	$120	$82	$509,99
Mackerel, jack	2,623	4,365	17,048	665,212	24,752,662	15,683	25,457,59
	$94	$279	$2,144	$37,252	$1,455,457	$858	$1,496,08
Mackerel, Pacific	---	---	20	---	132,542	884	133,44
	---	---	$2	---	$10,616	$226	$10,84
Mudsucker, longjaw	---	1,756	---	---	---	---	1,75
	---	$4,912	---	---	---	---	$4,91
Mullet	---	---	---	---	---	839	83
	---	---	---	---	---	$350	$35
Opaleye	---	---	---	261	9,306	---	9,56
	---	---	---	$78	$3,215	---	$3,29
Perch	34,033	42,710	4,513	22,287	24,723	19,820	148,08
	$9,058	$18,576	$1,158	$9,006	$8,228	$6,332	$52,35
Queenfish	---	---	---	---	78,739	---	78,73
	---	---	---	---	$2,614	---	$2,61
Rockfish	7,513,762	2,169,730	6,000,964	3,987,783	497,595	1,329,150	21,498,98
	$816,314	$276,856	$731,324	$589,020	$119,134	$330,909	$2,843,55
Sablefish	5,443,673	704,304	5,825,390	55,888	4,067	5,220	12,038,54
	$507,351	$61,203	$628,560	$3,470	$539	$683	$1,201,80
Salmon	5,125,901	2,774,925	614,111	234,063	382	32	8,749,41
	$4,350,334	$2,797,196	$641,056	$223,563	$344	$25	$8,012,51
Sanddab	339,342	430,074	201,415	3,972	418	55	975,27
	$61,489	$75,951	$32,629	$1,204	$107	$16	$171,39
Sardine, Pacific	---	---	---	---	14,050	---	14,05
	---	---	---	---	$884	---	$88
Sargo	---	---	---	---	2,755	---	2,75
	---	---	---	---	$551	---	$55
Sculpin	---	---	---	---	20,545	137,288	157,83
	---	---	---	---	$9,420	$50,865	$60,28
Sea bass, giant	---	161	---	1,479	59,090	19,709	80,43
	---	$230	---	$454	$22,324	$7,336	$30,34

TABLE 15

Value of Landings and Shipments of Commercial Fish into California by Area, 1974—Continued

Species	Eureka	San Francisco	Monterey	Santa Barbara	Los Angeles	San Diego	Total
Seabass, white	---	26	5,198	38,500	328,824	379,948	752,496
	---	$26	$3,213	$26,000	$194,927	$232,073	$456,239
Shark	8,521	97,886	46,370	72,892	106,555	165,135	497,359
	$906	$8,828	$4,802	$16,838	$24,313	$49,570	$105,257
Sheephead, California	---	---	---	323	1,644	1,754	3,721
	---	---	---	$72	$307	$220	$599
Skate	44,605	7,558	33,260	210	525	---	86,158
	$4,098	$494	$1,746	$17	$79	---	$6,434
Smelt	395,313	34,703	3,949	40	43,930	1,377	479,312
	$33,979	$5,139	$584	$5	$3,844	$446	$43,997
Smelt, whitebait	272,984	16,096	452	---	---	---	289,532
	$36,935	$2,670	$123	---	---	---	$39,728
Sole, Dover	16,937,207	1,953,508	132,458	59,887	4,425	---	19,087,485
	$1,947,779	$228,951	$13,908	$6,941	$664	---	$2,198,243
Sole, English	1,849,692	1,272,670	356,144	315,670	19,247	76	3,813,499
	$331,650	$247,153	$59,903	$52,623	$2,825	$19	$694,173
Sole, petrale	1,804,244	997,704	339,905	479,601	9,231	---	3,430,685
	$374,110	$233,463	$71,414	$104,457	$2,309	---	$785,753
Sole, rex	1,002,083	236,532	85,327	54,860	2,935	---	1,381,737
	$181,277	$42,883	$11,169	$9,288	$598	---	$245,215
Sole, sand	87,170	116,124	9,200	27,438	---	16	239,948
	$17,992	$22,912	$1,743	$5,194	---	$6	$47,847
Sole, miscellaneous	3,060	15,083	5,244	5,641	483	2,953	32,464
	$372	$3,225	$1,219	$1,144	$118	$1,062	$7,140
Swordfish	---	677	1,893	108,484	372,537	165,911	649,502
	---	$1,016	$2,767	$155,642	$499,684	$227,597	$886,706
Tuna, albacore	3,179,118	631,071	2,318,869	1,138,368	3,312,949	1,225,775	11,806,150
	$1,094,889	$219,928	$822,271	$404,348	$1,245,006	$458,072	$4,244,514
Tuna, bigeye	---	---	---	---	49,770	240,369	290,139
	---	---	---	---	$14,309	$69,106	$83,415
Tuna, bluefin	---	---	---	88	7,669,607	3,936,097	11,605,792
	---	---	---	$31	$2,201,944	$1,092,660	$3,294,635
Tuna, skipjack	---	10	---	---	40,661,399	19,313,932	59,975,341
	---	$2	---	---	$11,035,504	$5,205,105	$16,240,211
Tuna, skipjack, black	---	---	---	---	2,377,920	580,458	2,958,378
	---	---	---	---	$194,276	$43,534	$237,810
Tuna, yellowfin	---	---	---	995	197,237,515	48,871,969	246,110,479
	---	---	---	$250	$56,745,233	$14,045,804	$70,791,287
Turbot	5,544	7,576	370	7,191	---	---	20,681
	$1,061	$1,254	$30	$666	---	---	$3,011
Wahoo	---	---	---	---	---	4,677	4,677
	---	---	---	---	---	$1,511	$1,511
Whitefish, ocean	---	---	---	1,238	---	1,121	2,359
	---	---	---	$292	---	$365	$657
Yellowtail	---	---	398	249	73,916	130,394	204,957
	---	---	$49	$75	$16,033	$24,931	$41,088
Miscellaneous	499	365	630	314	37,691	52	39,551
	$94	$81	$65	$199	$1,968	$8	$2,415
Miscellaneous (animal food)	5,197	---	---	58,582	507	---	64,286
	---	---	---	$1,166	$25	---	$1,191
Crustacean:							
Crab, Dungeness	354,937	223,178	2,603	104,282	---	---	685,000
	$312,593	$205,925	$2,724	$103,291	---	---	$624,533
Crab, pelagic red	---	---	---	159	138,760	---	138,919
	---	---	---	$60	$19,815	---	$19,875
Crab, rock	---	---	428	249,573	571,851	42,181	864,033
	---	---	$58	$41,629	$129,124	$11,135	$181,946
Crab, spider	---	---	---	52	---	---	52
	---	---	---	$13	---	---	$13
Lobster, California spiny	---	---	---	47,396	79,502	64,052	190,950
	---	---	---	$88,579	$156,649	$119,848	$365,076
Prawn, ridgeback	---	---	---	4,015	---	---	4,015
	---	---	---	$2,059	---	---	$2,059
Prawn, spot	---	---	28,061	190,106	---	---	218,167
	---	---	$37,874	$183,053	---	---	$220,927
Shrimp, bay	---	2,391	---	---	---	---	2,391
	---	$1,447	---	---	---	---	$1,447
Shrimp, Pacific Ocean	2,215,930	165,839	80	5,517	---	---	2,387,366
	$569,936	$30,166	$100	$1,535	---	---	$601,737

TABLE 15

Value of Landings and Shipments of Commercial Fish into California by Area, 1974—Continued

Species	Eureka	San Francisco	Monterey	Santa Barbara	Los Angeles	San Diego	Total
Echinoderm:							
Sea urchin	15,759	35,600	---	6,893,064	71,203	92,189	7,107,81
	$1,199	$2,407	---	$503,883	$5,148	$7,578	$520,21
Mollusk:							
Abalone, black	---	---	---	793,696	333,631	18,069	1,145,39
	---	---	---	$215,965	$74,334	$4,456	$294,75
Abalone, green	---	---	---	3,047	99,758	18,758	121,56
	---	---	---	$2,329	$64,204	$14,922	$81,45
Abalone, pink	---	---	---	188,711	205,170	61,443	455,32
	---	---	---	$135,514	$135,290	$44,540	$315,34
Abalone, pinto	---	2	---	---	---	291	29
	---	$2	---	---	---	$141	$14
Abalone, red	---	40,043	45	639,004	10,102	61,866	751,06
	---	$29,768	$30	$434,651	$6,714	$45,236	$516,39
Abalone, threaded	---	---	---	4,097	---	3,495	7,59
	---	---	---	$1,923	---	$1,577	$3,50
Abalone, white	---	---	---	1,471	83,952	28,342	113,76
	---	---	---	$956	$60,673	$25,556	$87,19
Octopus	21,908	6,050	1,780	2,798	---	2	32,53
	$4,203	$1,131	$568	$832	---	$1	$6,83
Oyster, eastern	---	2,177	---	---	---	---	2,1
	---	$8,055	---	---	---	---	$8,6
Oyster, giant Pacific	478,633	188,554	---	130,378	---	---	797,56
	$670,086	$263,976	---	$182,529	---	---	$1,116,59
Snail, sea	---	---	---	---	3,852	657	4,50
	---	---	---	---	$510	$117	$62
Squid, market	---	---	14,495,217	3,835,341	10,199,250	374,870	28,904,67
	---	---	$869,714	$112,759	$432,410	$22,304	$1,437,18
Miscellaneous mollusk	169	5	62	---	---	---	23
	$39	$12	$11	---	---	---	$6
Total pounds	49,237,600	19,122,405	41,695,509	59,494,278	422,978,293	79,816,158	672,344,24
Total value	$11,611,983	$5,550,663	$4,306,282	$4,765,932	$79,451,414	$22,505,713	$128,191,98
SHIPMENTS:*							
Fish:							
Tuna, albacore	---	---	---	---	72,224,866	5,201,272	77,426,13
	---	---	---	---	$35,303,514	$2,215,742	$37,519,25
Tuna, bigeye	---	---	---	---	728,105	---	728,10
	---	---	---	---	$243,187	---	$243,18
Tuna, bluefin	---	---	---	---	1,066,768	---	1,066,76
	---	---	---	---	$418,066	---	$418,06
Tuna, skipjack	---	---	---	---	156,311,159	13,298,825	169,609,98
	---	---	---	---	$46,908,979	$4,081,409	$50,990,38
Tuna, skipjack, black	---	---	---	---	670	---	67
	---	---	---	---	$67	---	$6
Tuna, yellowfin	---	---	---	---	16,387,964	554,951	16,942,91
	---	---	---	---	$6,442,109	$187,296	$6,629,40
Total pounds	---	---	---	---	246,719,532	19,055,048	265,774,58
Total value	---	---	---	---	$89,315,922	$6,484,447	$95,800,36
GRAND TOTAL POUNDS	49,237,600	19,122,405	41,695,509	59,494,278	669,697,825	98,871,206	938,118,82
GRAND TOTAL VALUE	$11,611,983	$5,550,663	$4,306,282	$4,765,932	$168,767,336	$28,990,160	$223,992,35

* For origin of shipments refer to Table 6. Beginning in 1965 only tuna shipments are recorded.

TABLE 16

Value of Landings by Port, Eureka Area, 1974

	Pounds	Value
Eureka		
Salmon	2,008,207	$1,686,907
Dover sole	9,903,043	1,138,850
Giant Pacific oyster	478,633	670,086
Albacore	1,773,028	610,631
Rockfish	3,326,488	352,701
Sablefish	2,252,670	209,949
Petrale sole	896,844	209,144
English sole	781,605	140,142
Dungeness crab	144,319	127,102
Rex sole	503,222	91,033
Lingcod	512,078	70,308
Pacific Ocean shrimp	269,419	69,294
Sanddab	232,499	42,129
Smelt	386,213	33,151
Whitebait smelt	163,532	22,126
Flounder	133,603	14,522
Sand sole	36,744	7,584
Perch	19,273	5,482
Grenadiers	65,968	3,299
California halibut	4,075	3,257
Arrowtooth flounder	45,044	2,586
All other species	43,049	4,303
Port totals	23,979,556	$5,514,586
Fort Bragg		
Salmon	1,721,330	$1,536,141
Dover sole	4,083,866	469,645
Albacore	1,124,937	387,429
Rockfish	2,861,760	316,362
Sablefish	2,160,833	201,390
Pacific Ocean shrimp	479,200	123,250
Lingcod	684,574	93,992
Petrale sole	375,077	87,468
English sole	248,187	44,500
Dungeness crab	30,261	26,651
Rex sole	108,622	19,650
Arrowtooth flounder	70,969	4,074
Whitebait smelt	27,546	3,727
Sanddab	16,043	2,907
Octopus	10,457	2,006
Sea urchin	13,335	1,015
Skate	10,052	1,002
All other species	24,483	2,537
Port totals	14,051,532	$3,323,746
Crescent City		
Salmon	867,136	$690,041
Pacific Ocean shrimp	1,467,311	377,392
Dover sole	2,950,298	339,284
English sole	819,900	147,008
Rockfish	1,273,318	141,301
Dungeness crab	121,313	106,840
Albacore	280,053	96,450
Sablefish	1,030,129	96,008
Petrale sole	332,323	77,498
Rex sole	390,239	70,594
Lingcod	445,534	61,172
Sanddab	90,800	16,453
Pacific herring	119,043	12,107
Flounder	102,604	11,153
Whitebait smelt	81,906	11,082
Sand sole	49,756	10,270
Arrowtooth flounder	76,126	4,370
Perch	14,719	3,565
Skate	25,025	2,495
Octopus	6,282	1,205
All other species	13,372	921
Port totals	10,557,187	$2,277,209

TABLE 16

Value of Landings by Port, Eureka Area, 1974—Continued

	Pounds	Value
Trinidad		
Salmon	265,951	$204,579
Dungeness crab	59,044	52,000
All other species	9,528	1,244
Port totals	334,523	$257,823
Albion		
Salmon	181,063	$163,910
Rockfish	27,842	3,174
All other species	6,126	758
Port totals	215,031	$167,842
All other ports		
Salmon	82,214	$68,756
Rockfish	16,619	1,895
All other species	938	126
Totals	99,771	$70,777
EUREKA AREA TOTALS	49,237,600	$11,611,983

TABLE 17

Value of Landings by Port, San Francisco Area, 1974

	Pounds	Value
Bodega Bay		
Salmon	1,231,162	$1,223,723
Dover sole	899,085	105,373
English sole	373,166	72,469
Rockfish	468,801	56,501
Dungeness crab	45,480	41,964
Pacific Ocean shrimp	165,839	30,166
Petrale sole	117,087	27,398
Albacore	58,422	20,360
Sablefish	223,291	19,404
Lingcod	131,657	15,351
Rex sole	72,434	13,132
Sanddab	47,915	8,462
Smelt	13,124	2,549
Whitebait smelt	13,853	2,298
Flounder	20,535	2,171
White croaker	6,410	1,380
All other species	27,322	2,586
Port totals	3,915,583	$1,645,287
San Francisco		
Pacific herring	2,765,988	$292,088
Rockfish	1,609,734	207,748
Petrale sole	880,345	206,001
English sole	894,318	173,677
Salmon	144,934	149,136
Dover sole	1,054,423	123,578
Lingcod	743,231	86,661
Dungeness crab	81,695	75,380
Sanddab	379,430	67,007
Albacore	133,102	46,386
Sablefish	475,069	41,283
Rex sole	163,944	29,723
Sand sole	111,121	21,924
California halibut	27,861	15,187
Flounder	140,015	14,800
Shark	53,263	4,814
Miscellaneous sole	14,664	3,135
White croaker	11,631	2,504
Perch	5,443	2,474
Turbot	7,475	1,237
Swordfish	677	1,016
All other species	25,687	2,554
Port totals	9,724,050	$1,568,313
Sausalito		
Salmon	499,654	$506,789
Pacific herring	1,130,454	119,376
Northern anchovy	836,885	73,144
Albacore	192,843	67,206
Dungeness crab	5,599	5,166
Rockfish	17,246	2,358
All other species	12,311	1,288
Port totals	2,694,992	$775,327
Princeton		
Salmon	567,109	$580,473
Dungeness crab	77,912	71,889
Red abalone	40,043	29,768
California halibut	23,111	12,598
Albacore	35,451	12,355
Rockfish	50,084	7,008
Shark	34,299	3,104
Sea urchin	35,600	2,407
English sole	5,186	1,007
All other species	19,506	2,944
Port totals	888,301	$723,553

TABLE 17

Value of Landings by Port, San Francisco Area, 1974—Continued

	Pounds	Value
Point Reyes		
Giant Pacific oyster	161,840	$226,576
Salmon	124,944	126 486
Dungeness crab	5,142	4,745
All other species	2,824	406
Port totals	294,750	$358,213
Oakland		
Salmon	177,457	$179,956
Albacore	211,189	73,599
Dungeness crab	1,201	1,108
All other species	6,834	943
Port totals	396,681	$255,606
Tomales Bay		
Pacific herring	991,410	$104,693
Giant Pacific oyster	26,714	37,400
Eastern oyster	2,177	8,055
Perch	9,924	4,263
Smelt	13,545	1,530
All other species	7,410	638
Port totals	1,051,180	$156,558
Berkeley		
Salmon	25,552	$26,372
Dungeness crab	4,187	3,883
Rockfish	14,224	1,900
All other species	2,011	991
Port totals	45,974	$33,126
Richmond		
Perch	17,861	$7,618
White croaker	27,457	5,911
Salmon	3,901	4,060
All other species	2,014	1,112
Port totals	51,233	$18,701
Marshall		
Pacific herring	40,000	$4,224
All other species	1,049	894
Port totals	41,049	$5,118
All other ports		
Longjaw mudsucker	1,756	$4,912
Perch	7,027	3,019
Bay shrimp	2,147	1,299
All other species	7,682	1,631
Totals	18,612	$10,861
SAN FRANCISCO AREA TOTALS	**19,122,405**	**$5,550,663**

TABLE 18

Value of Landings by Port, Monterey Area, 1974

	Pounds	Value
Monterey		
Market squid	12,834,449	$770,067
Rockfish	5,260,829	633,464
Sablefish	5,031,587	542,908
Albacore	673,796	238,928
Salmon	73,970	78,718
Lingcod	512,336	72,649
Northern anchovy	2,515,570	51,569
Petrale sole	204,640	42,995
Spot prawn	27,961	37,739
English sole	203,909	34,297
Sanddab	91,631	14,844
Pacific herring	120,065	13,687
Rex sole	69,605	9,111
White croaker	91,166	7,658
Dover sole	66,855	7,020
California halibut	6,495	3,978
Shark	28,473	2,952
Jack mackerel	15,833	1,992
Flounder	11,578	1,702
Swordfish	888	1,298
Skate	20,765	1,090
All other species	12,554	3,028
Port totals	27,874,955	$2,571,694
Moss Landing		
Albacore	1,636,298	$580,231
Salmon	462,620	481,476
Northern anchovy	7,548,000	154,734
Market squid	1,660,725	99,644
Sablefish	789,820	85,222
Rockfish	629,633	80,128
Petrale sole	134,760	28,313
English sole	151,333	25,454
Sanddab	107,186	17,364
Lingcod	76,008	10,778
Pacific herring	88,400	10,078
Dover sole	65,603	6,888
Dungeness crab	2,525	2,642
Flounder	16,915	2,486
Rex sole	15,722	2,058
Sand sole	9,005	1,706
California halibut	2,345	1,436
Swordfish	776	1,134
All other species	30,728	4,030
Port totals	13,428,402	$1,595,802
Santa Cruz		
Salmon	77,469	$80,815
Rockfish	110,501	17,732
Pacific butterfish	13,816	10,895
California halibut	16,682	10,216
Flounder	35,930	5,282
Albacore	8,775	3,112
White seabass	3,968	2,453
Lingcod	11,415	1,619
Northern anchovy	75,045	1,538
Miscellaneous sole	4,440	1,036
All other species	34,033	4,037
Port totals	392,074	$138,735
All other ports		
All species	78	$51
Totals	78	$51
MONTEREY AREA TOTALS	**41,695,509**	**$4,306,282**

TABLE 19

Value of Landings by Port, Santa Barbara Area, 1974

	Pounds	Value
Santa Barbara		
Red abalone	483,283	$328,729
Sea urchin	3,687,505	269,557
Black abalone	792,767	215,712
Rockfish	1,296,684	177,967
Spot prawn	182,649	175,873
Pink abalone	185,555	133,247
Swordfish	66,207	94,937
Pacific bonito	653,881	83,174
California spiny lobster	39,080	73,037
California halibut	43,130	31,701
Rock crab	136,738	22,808
English sole	77,362	12,796
White seabass	16,207	10,945
Petrale sole	32,135	6,999
Rex sole	33,565	5,683
Shark	23,804	5,495
Salmon	2,360	2,821
Green abalone	3,045	2,327
Dover sole	18,740	2,172
Ridgeback prawn	4,015	2,059
Lingcod	15,212	2,014
Threaded abalone	4,097	1,923
Pacific Ocean shrimp	5,517	1,535
White croaker	8,819	1,528
All other species	59,859	3,955
Port totals	7,872,216	$1,669,144
Morro Bay		
Albacore	923,146	$327,901
Rockfish	2,032,430	267,214
Giant Pacific oyster	130,378	182,529
Salmon	119,840	111,203
Petrale sole	346,210	75,405
Red abalone	103,595	70,465
Lingcod	518,356	68,657
Dungeness crab	65,081	64,163
English sole	137,491	22,920
Sea urchin	257,104	18,794
California halibut	14,829	10,899
Spot prawn	7,457	7,180
Swordfish	3,995	5,732
Perch	9,266	3,815
Rock crab	17,770	2,964
Rex sole	15,140	2,563
Sablefish	37,460	2,326
White croaker	13,280	2,301
Dover sole	19,746	2,289
Shark	4,476	1,030
All other species	11,407	2,812
Port totals	4,788,657	$1,253,462
Port Hueneme		
Northern anchovy	36,063,441	$699,631
Pacific bonito	1,451,680	184,654
Market squid	3,832,421	112,673
Jack mackerel	665,200	37,251
Sea urchin	367,628	26,874
California halibut	16,148	11,869
Swordfish	7,252	10,404
White seabass	12,271	8,287
California spiny lobster	3,205	5,990
Shark	22,981	5,328
Albacore	8,799	3,125
Rockfish	18,317	2,914
All other species	19,529	3,086
Port totals	42,488,872	$1,112,086

TABLE 19

Value of Landings by Port, Santa Barbara Area, 1974—Continued

	Pounds	Value
Avila		
Salmon	111,863	$109,539
Albacore	201,629	71,619
Rockfish	505,732	70,669
Sea urchin	676,305	49,438
Dungeness crab	38,896	38,526
Red abalone	48,231	32,807
Petrale sole	100,868	21,969
California halibut	29,000	21,315
Lingcod	158,477	20,982
English sole	95,302	15,887
Rock crab	84,477	14,091
Sand sole	26,105	4,942
Perch	11,764	4,839
White seabass	6,331	4,275
Flounder	28,301	3,617
Swordfish	2,426	3,481
Dover sole	21,401	2,480
Shark	8,001	1,844
Pacific bonito	12,986	1,652
Rex sole	6,155	1,042
All other species	44,489	4,283
Port totals	2,218,739	$499,297
Oxnard		
Sea urchin	1,652,040	$120,764
Swordfish	18,443	26,460
Rockfish	129,107	19,377
California spiny lobster	4,916	9,188
California halibut	9,888	7,268
Albacore	3,134	1,113
All other species	16,522	4,471
Port totals	1,834,050	$188,641
Ventura		
Sea urchin	252,482	$18,456
Swordfish	10,161	14,578
Shark	10,886	2,510
Red abalone	3,543	2,410
White seabass	2,152	1,453
Pink abalone	1,529	1,098
All other species	10,719	2,728
Port totals	291,472	$43,233
All other ports		
All species	272	$69
Totals	272	$69
SANTA BARBARA AREA TOTALS	59,494,278	$4,765,932

TABLE 20

Value of Landings and Shipments by Port, Los Angeles Area, 1974

	Pounds	Value
Terminal Island		
Landings:		
Yellowfin tuna	196,836,761	$56,629,936
Skipjack tuna	40,661,399	11 035,504
Northern anchovy	116,369,500	2 408,849
Bluefin tuna	7 053,207	2,024,976
Pacific bonito	11,574,820	1,554,498
Albacore	3,277,435	1,231,660
Jack mackerel	18,868,466	1,109,466
Black skipjack tuna	2,230,110	182,200
Market squid	1,181,000	50,074
Bigeye tuna	49,770	14,309
Pelagic red crab	68,120	9,728
Swordfish	6,556	8,794
Pacific mackerel	94,849	7,597
Yellowtail	14,710	3,191
All other species	14,704	1,003
Total landings	398,301,407	$76,271,785
Shipments:*		
Skipjack tuna	156,311,159	$46,908,979
Albacore	72,224,866	35,303,514
Yellowfin tuna	16,387,964	6,442,109
Bluefin tuna	1,066,768	418,066
Bigeye tuna	728,105	243,187
All other species	670	67
Total shipments	246,719,532	$89,315,922
Port totals	645,020,939	$165,587,707
San Pedro		
Landings:		
Market squid	9,017,538	$382,306
Pacific bonito	2,667,031	358,182
Swordfish	231,996	311,176
Jack mackerel	4,158,502	244,520
White seabass	318,665	188,905
Bluefin tuna	613,992	176,277
Pink abalone	196,761	129,744
Rockfish	431,357	101,273
Yellowfin tuna	316,368	91,019
California spiny lobster	39,574	77,977
Black abalone	332,575	74,098
Rock crab	327,744	74,005
White abalone	83,592	60,412
Green abalone	93,852	60,403
White croaker	327,707	59,446
California halibut	66,949	42,452
Pacific butterfish	68,214	32,947
Giant sea bass	59,090	22,324
Shark	96,427	21,982
California barracuda	34,092	17,878
Flyingfish	71,105	17,776
Yellowtail	56,417	12,237
Black skipjack tuna	147,810	12,076
Northern anchovy	545,990	11,302
Pelagic red crab	70,640	10,087
Red abalone	9,990	6,640
Sculpin	13,140	6,025
Albacore	14,537	5,463
Grouper	12,045	4,818
Perch	14,158	4,683
Smelt	43,930	3,844
Pacific mackerel	37,693	3,019
Opaleye	8,251	2,851
English sole	19,247	2,825
Queenfish	78,739	2,614

* Beginning in 1965 only tuna shipments are recorded.

TABLE 20

Value of Landings and Shipments by Port, Los Angeles Area, 1974—Continued

	Pounds	Value
Petrale sole	9,231	$2,309
Sea urchin	29,972	2,167
Blacksmith	23,825	1,196
All other species	38,774	5,440
Port totals	20,727,520	$2,644,698
Wilmington		
Landings:		
Jack mackerel	1,725,490	101,459
Swordfish	28,985	38,878
Northern anchovy	1,228,882	25,438
Yellowfin tuna	84,386	24,278
California spiny lobster	4,553	8,971
Perch	9,231	3,106
Pink abalone	2,080	1,372
All other species	17,975	3,368
Port totals	3,101,582	$206,870
Newport Beach		
Landings:		
Swordfish	84,736	$113,656
California spiny lobster	6,944	13,682
Rockfish	32,089	8,729
Albacore	18,843	7,081
White seabass	3,003	1,780
All other species	13,931	1,831
Port totals	159,546	$146,759
Redondo Beach		
Landings:		
Rock crab	231,623	$52,300
California spiny lobster	13,601	26,799
White seabass	4,803	2,847
Pink abalone	4,102	2,705
Green abalone	4,035	2,597
California halibut	3,410	2,162
Swordfish	1,385	1,858
Rockfish	5,075	1,379
All other species	12,978	3,567
Port totals	281,012	$96,214
Dana Point		
Landings:		
California spiny lobster	4,194	$8,264
Rockfish	17,467	4,747
Swordfish	3,417	4,583
California halibut	4,708	2,985
Sculpin	5,609	2,572
Shark	5,859	1,342
All other species	16,241	2,385
Port totals	57,495	$26,878
Long Beach		
Landings:		
California spiny lobster	4,815	$9,487
Northern anchovy	244,994	5,071
Swordfish	910	1,221
All other species	49,951	3,061
Port totals	300,670	$18,840
Santa Monica		
Landings:		
Swordfish	10,185	$13,661
Rockfish	4,691	1,108
All other species	442	131
Port totals	15,318	$14,900

TABLE 20

Value of Landings and Shipments by Port, Los Angeles Area, 1974—Continued

	Pounds	Value
Malibu		
Landings:		
California spiny lobster	3,369	$6,638
All other species	11,830	3,326
Port totals	15,199	$9,964
Avalon		
Landings:		
California spiny lobster	2,052	$4,043
Swordfish	2,983	4,001
All other species	3,879	1,334
Port totals	8,914	$9,378
All other ports		
Swordfish	1,384	$1,856
Pink abalone	1,850	1,220
Rock crab	4,640	1,048
All other species	1,756	1,004
Totals	9,630	$5,128
LOS ANGELES AREA TOTALS	**669,697,825**	**$168,767,336**

TABLE 21

Value of Landings and Shipments by Port, San Diego Area, 1974

	Pounds	Value
San Diego		
Landings:		
Yellowfin tuna	48,871,969	$14,045,804
Skipjack tuna	19,313,932	5,205,105
Bluefin tuna	3,936,052	1,092,648
Albacore	1,225,331	457,906
Pacific bonito	2,387,729	320,433
Rockfish	1,194,234	297,262
White seabass	345,389	210,964
Swordfish	152,939	209,802
California spiny lobster	57,284	107,184
Bigeye tuna	240,369	69,106
Sculpin	137,288	50,865
Red abalone	61,866	45,236
Pink abalone	61,443	44,540
Black skipjack tuna	580,458	43,534
Shark	117,485	34,960
White abalone	28,342	25,556
Market squid	367,434	21,862
Yellowtail	98,761	18,883
Green abalone	18,558	14,763
California halibut	14,288	10,082
Rock crab	37,792	9,977
Sea urchin	88,665	7,288
Giant sea bass	18,622	6,931
Perch	16,605	5,307
Black abalone	18,069	4,456
Threaded abalone	3,495	1,577
Wahoo	4,677	1,511
All other species	35,900	5,967
Total landings	79,434,976	$22,369,509
Shipments:*		
Skipjack tuna	13,298,825	$4,081,409
Albacore	5,201,272	2,215,742
Yellowfin tuna	554,951	187,296
Total shipments	19,055,048	$6,484,447
Port totals	98,490,024	$28,853,956
eanside		
Landings:		
Rockfish	132,471	$33,038
White seabass	34,487	21,065
California halibut	22,177	15,648
Swordfish	11,100	15,227
Shark	47,489	14,561
California spiny lobster	4,389	8,212
Pacific bonito	57,955	7,778
Yellowtail	31,137	5,953
Halfmoon	5,262	1,604
Rock crab	4,301	1,135
Perch	3,215	1,025
All other species	18,244	2,797
Port totals	372,227	$128,043
Jolla		
.andings:		
Swordfish	1,872	$2,568
All other species	1,062	263
Port totals	2,934	$2,831
other ports		
California spiny lobster	2,379	$4,452
All other species	3,642	878
Totals	6,021	$5,330
N DIEGO AREA TOTALS	**98,871,206**	**$28,990,160**

* Beginning in 1965 only tuna shipments are recorded.

TABLE 22

Statewide Commercial Partyboat Catch by Species
(Not including anchored barges)
1965–1974 *

Species	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974
Barracuda, California	443,304	892,697	470,480	372,246	358,518	373,801	50,474	38,243	92,483	55,284
Bass, kelp and sand	1,230,313	1,278,939	1,003,914	1,317,963	1,246,175	922,260	948,121	842,681	605,879	618,034
Bonito, Pacific	806,322	644,415	349,952	1,102,936	1,130,241	651,898	152,795	418,984	472,451	141,619
Cabezon	7,575	10,293	5,419	4,349	4,583	6,372	4,611	11,452	7,551	6,964
Halibut, California	118,213	88,726	63,582	54,663	27,634	29,968	10,598	8,140	9,622	10,292
Lingcod	33,260	44,676	43,559	42,449	32,693	61,833	63,239	103,965	80,778	79,685
Mackerel, jack	25,619	19,027	16,236	13,588	11,272	15,725	10,611	5,913	15,789	12,467
Mackerel, Pacific	151,896	205,090	108,366	78,933	120,036	129,770	224,223	245,882	199,104	102,619
Rockfish	1,347,430	1,688,718	1,894,057	2,102,859	1,978,981	2,663,882	2,222,943	3,054,959	3,570,244	4,045,122
Salmon	51,677	70,151	84,946	127,584	111,389	98,301	130,812	151,595	124,676	107,942
Sculpin	71,888	69,851	63,280	59,863	63,011	82,522	84,913	65,886	83,475	85,956
Seabass, white	9,775	3,972	3,385	4,138	4,056	4,359	5,265	3,858	7,083	4,003
Sheephead, California	41,651	52,967	42,676	33,075	49,626	39,464	38,300	33,541	46,234	30,379
Tuna, albacore	99,771	74,980	96,497	129,710	48,887	112,106	160,361	86,890	9,858	12,814
Tuna, bluefin	92	1,998	3,166	1,231	1,470	1,833	749	1,470	5,347	5,765
Whitefish, ocean	13,810	15,587	18,184	22,155	36,474	40,990	29,800	24,632	42,362	23,301
Yellowtail	18,367	80,163	31,392	58,049	79,202	97,376	44,608	59,031	221,287	121,149
All others	163,595	166,470	145,073	205,410	421,327	298,375	421,729	305,283	329,255	228,208
Total number of fish	**4,634,558**	**5,408,420**	**4,444,164**	**5,731,201**	**5,725,575**	**5,630,835**	**4,604,152**	**5,462,405**	**5,923,478**	**5,691,603**
Total number of anglers	688,103	857,000	780,102	849,654	802,811	873,327	728,126	792,618	880,100	809,100
Total number of angler hours	3,486,218	4,193,765	3,880,630	4,294,902	4,034,066	4,442,856	3,778,266	4,075,967	4,382,184	3,875,750

* See Fish Bulletin 121 for historical records 1936–1961.

TABLE 23
Inshore Bait Landings by Area, Pounds, and Value, 1974

Species	Sacramento	San Francisco and Monterey	Los Angeles	San Diego	Statewide*
Bonito	---	---	---	---	129
	---	---	---	---	$67
Clams					
Freshwater	553,889	830	---	---	554,719
	$83,689	$125	---	---	$83,814
Gaper	---	326	---	---	326
	---	$99	---	---	$99
Jackknife	---	---	19,358	3,112	22,470
	---	---	$24,673	$2,087	$26,760
Littleneck	---	---	---	---	1
	---	---	---	---	$1
Purple	---	---	---	15,100	15,157
	---	---	---	$7,486	$7,532
Crab					
Rock	---	---	---	---	4
	---	---	---	---	$98
Sand	---	---	8,281	1,312	9,611
	---	---	$22,446	$61	$22,514
Shore	---	---	161	---	161
	---	---	$880	---	$880
Mudsucker, longjaw	27	3,646	---	---	3,673
	$117	$5,538	---	---	$5,655
Mussel (bay and rock)	---	426	70,342	10,874	81,642
	---	$170	$15,735	$1,997	$17,902
Sculpin, staghorn	575	---	---	---	575
	$1,922	---	---	---	$1,922
Shad, threadfin	---	---	---	---	115
	---	---	---	---	$115
Shrimp					
Bay	75,293	2,113	---	---	77,406
	$139,409	$4,682	---	---	$144,091
Brine	99,620	---	---	90,488	1,630,752
	$5,977	---	---	$141,140	$233,999
Ghost	---	---	9,300	1,361	10,668
	---	---	$36,303	$3,648	$40,063
Red	---	---	---	---	12
	---	---	---	---	$24
Total	729,404	7,341	107,442	122,247	2,407,421
	$231,114	$10,614	$100,037	$156,419	$585,536

* Some figures are reported statewide only to avoid revealing the business of an individual in an area.

TABLE 24
Recorded Catch of Live Bait for Saltwater Sportfishing 1970–1974

Species	Thousands of pounds*				
	1970	1971	1972	1973	1974
Anchovy, northern	12,210	12,774	11,700	12,432	11,299
Mackerel, jack	---	9	5	120	T
Mackerel, Pacific	---	1	---	75	---
Sardine, adult	---	---	T	---	---
Sardine, juvenile	6	T	T	---	---
Squid, market	---	10	---	66	T
Miscellaneous†	4	---	16	80	51
Total pounds	12,220	12,794	11,721	12,773	11,350
Number of vessels‡	11	14	12	11	14

* Weights are estimated from voluntary records. They should be regarded as minimal since some fishermen do not supply catch information.
† Less than 500 pounds.
Consists primarily of queenfish and white croaker.
‡ The number of live bait fishing vessels reported here should be considered minimal because some fishing operations utilize more than one vessel simultaneously or alternately, while others do not volunteer catch information at all.

TABLE 25

California Ocean Recreational Salmon Landings and Success * by Fishery, Port, Month, and Species, in Numbers of Fish—1974

	February			March			April			May			June			July		
	King	Silver	Fish /Day	King	Silver	Fish /Day	King	Silver	Fish /Day	King	Silver	Fish /Day	King	Silver	Fish /Day	King	Silver	Fish /Day
Crescent City																		
Partyboat	0	0	a	0	0	a	0	0	a	4	0	a	13	0	0.3	9	81	0.8
Skiff	--	--	a	--	--	a	--	--	a	--	--	a	85	200	0.2	1,079	12,302	1.3
Eureka																		
Partyboat	0	0	a	0	0	a	3	0	a	167	0	a	142	0	0.3	984	0	a
Skiff	--	--	a	--	--	a	--	--	a	--	--	a	1,926	6,055	1.1	3,358	18,663	1.1
Fort Bragg																		
Partyboat	0	0	a	0	0	a	4	86	a	12	239	a	59	1,173	1.1	488	1,925	1.2
Skiff	--	--	a	--	--	a	--	--	a	--	--	a	233	428	0.3	1,453	6,638	0.8
San Francisco																		
Partyboat	9,655	0	1.8	27,368	45	2.4	11,874	301	1.1	5,022	3,724	1.3	7,767	6,817	1.4	11,023	929	1.0
Skiff	5,370	0	1.3	10,711	0	1.4	6,642	18	0.7	2,645	711	0.8	2,231	887	0.6	4,253	851	0.8
Monterey																		
Partyboat	95	0	b	386	0	b	241	0	b	539	0	b	1,017	0	0.3	116	0	b
Skiff	614	0	0.5	2,205	0	0.8	140	322	0.5	615	1,429	1.0	4,607	392	1.1	662	0	0.2
Statewide																		
Partyboat	9,750	0	1.8	27,754	45	2.4	12,122	387	1.1	5,744	3,963	1.3	8,998	7,990	1.1	12,620	2,935	1.0
Skiff	5,984	0	1.0	12,916	0	1.1	6,782	340	0.7	3,260	2,140	0.8	9,082	7,962	0.8	10,805	38,454	1.0

TABLE 25

California Ocean Recreational Salmon Landings and Success * by Fishery, Port, Month and Species, in Numbers of Fish—1974—Continued

	August			September			October			November			December			Season		
	King	Silver	Fish /Day	King	Silver	Fish /Day	King	Silver	Fish /Day	King	Silver	Fish /Day	King	Silver	Fish /Day	King	Silver	Fish /Day
Crescent City																		
Partyboat	0	0	[a]	0	0	[a]	0	0	[a]	0	0	[a]	0	0	[a]	26	81	0.6
Skiff	1,237	2,516	0.5	81	174	0.3	--	--	[a]	--	--	[a]	--	--	[a]	2,482	15,192	0.9
Eureka																		
Partyboat	553	0	[a]	81	0	[a]	13	0	[a]	0	0	[a]	0	0	[a]	1,943	0	0.3
Skiff	1,212	4,634	0.6	660	852	0.5	--	--	[a]	--	--	[a]	--	--	[a]	7,156	30,204	0.9
Fort Bragg																		
Partyboat	202	801	[a]	0	0	[a]	0	0	[a]	0	0	[a]	0	0	[a]	765	4,224	1.2
Skiff	1,779	2,469	0.7	38	90	0.2	--	--	[a]	--	--	[a]	--	--	[a]	3,503	9,625	0.7
San Francisco																		
Partyboat	6,103	122	0.6	3,008	0	0.6	3,385	7	0.8	1,332	0	0.5	0	0	[a]	86,537	11,945	1.2
Skiff	4,529	727	0.4	3,717	0	0.4	3,394	0	0.5	213	0	0.2	--	--	[a]	43,705	3,194	0.7
Monterey																		
Partyboat	6	0	[b]	5	0	[b]	3	0	[b]	3	0	[b]	0	0	[b]	2,411	0	0.3
Skiff	57	0	0.1	17	0	0.1	7	0	0.1	13	0	0.1	--	--	[a]	8,937	2,143	0.7
Statewide																		
Partyboat	6,864	923	0.6	3,094	0	0.6	3,401	7	0.8	1,335	0	0.5	0	0	[a]	91,682	16,250	1.1
Skiff	8,814	10,346	0.5	4,513	1,116	0.4	3,401	0	0.5	226	0	0.2	--	--	--	65,783	60,358	0.8

* Salmon per angler-day, species combined.
[a] No sampling.
[b] Sampling not consistent with other ports.

TABLE 26

California Commercial Troll Salmon Landings by Port-Area, Month and Species, in Pounds * and Numbers—1974

	April		May		June		July		August		September		Season	
	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers
Crescent City														
King	4,888	573	60,418	7,621	77,512	10,135	33,947	4,158	14,159	1,675	1,333	148	192,257	24,310
Silver	[illegible]	[illegible]	114,556	27,776	295,526	64,825	234,540	35,186	23,965	2,886	6,168	743	674,755	131,416
Pink	0	0	63	16	38	[illegible]	23	7	0	0	0	0	124	31
Eureka														
King	57,029	7,077	342,421	45,988	188,653	20,177	125,843	8,416	24,259	2,322	4,290	462	742,495	84,442
Silver	0	0	779,883	180,061	331,026	65,271	366,985	51,704	43,478	5,084	9,824	1,836	1,531,196	303,956
Pink	0	0	467	156	0	0	0	0	0	0	0	0	467	156
Fort Bragg														
King	32,507	4,047	71,449	9,590	308,437	29,329	449,062	38,795	194,123	17,066	15,769	1,303	1,071,347	100,130
Silver	0	0	143,120	32,490	255,203	44,617	337,985	41,713	176,557	19,018	112	13	912,977	137,851
Pink	0	0	12	3	271	68	0	0	0	0	0	0	283	71
San Francisco														
King	544,273	62,093	372,309	40,603	462,109	44,583	440,370	35,590	282,147	23,977	198,387	15,939	2,299,595	222,785
Silver	0	0	64,899	12,449	157,933	24,989	181,053	19,711	70,868	7,604	577	62	475,330	64,815
Pink	0	0	[illegible]	0	0	0	0	0	0	0	0	0	0	0
Monterey														
King	150,289	14,994	159,118	13,751	232,073	16,314	92,732	6,326	83,896	6,094	24,654	2,416	742,762	59,895
Silver	0	0	50,560	10,627	47,751	6,416	7,118	796	397	39	0	0	105,826	17,878
Pink	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Statewide														
King	788,986	88,784	1,005,715	117,553	1,268,784	120,538	1,141,954	93,285	598,584	51,134	244,433	20,268	5,048,456	491,562
Silver	0	0	1,153,018	263,403	1,087,439	206,118	1,127,681	149,110	315,265	34,631	16,681	2,654	3,700,084	655,916
Pink	0	0	542	175	309	76	23	7	0	0	0	0	874	258

* Dressed, head on.

APPENDIX I

Monthly Landings From Inland Waters during 1974

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS:													
Fish:													
Blackfish, Sacramento	73,188	14,630	84,973	18,750	3,500	---	---	---	1,700	6,850	23,935	30,530	258,056
Carp	61,081	9,968	18,657	9,582	10	---	---	---	3,080	2,245	2,212	2,850	109,685
Hardhead	---	---	---	1,248	---	---	---	---	15,200	77,100	47,850	9,935	151,333
Hitch	---	---	---	---	---	---	---	---	3,234	21,783	169	6,135	31,321
Lamprey	---	---	---	3,000	1,000	---	---	---	---	---	---	---	4,000
Shad, American	50	---	60	---	---	---	---	---	160	---	130	---	400
Sucker	---	4	---	---	---	---	---	---	426	5,339	260	1,259	7,288
Crustacean:													
Crayfish	125	53	90	63	18,368	84,511	86,939	48,521	7,448	340	150	15	246,623
Mollusk:													
Clam, freshwater	---	434	---	---	213	317	---	---	---	---	744	390	2,098
Clam, unclassified	---	---	---	248	280	395	---	---	---	312	---	---	1,235
Amphibia:													
Bullfrog	125	81	2,064	1,861	1,674	1,131	360	1,234	2,383	766	79	50	11,808
Total pounds	**134,569**	**25,170**	**105,844**	**34,752**	**25,045**	**86,354**	**87,299**	**49,755**	**33,631**	**114,735**	**75,529**	**51,164**	**823,847**

APPENDIX II

Value of Landings From Inland Waters by County during 1974

County and species	Pounds	Value
Alameda		
Lamprey	4,000	$4,000
Crayfish	1,910	1,386
Bullfrog	8,433	6,283
County totals	14,343	$11,669
Calaveras		
Blackfish, Sacramento	34,750	$3,475
Carp	2,211	774
Sucker	4	---
County totals	36,965	$4,249
Fresno		
Crayfish	55	$116
County totals	55	$116
Kern		
Carp	5,600	$1,960
County totals	5,600	$1,960
Lake		
Blackfish, Sacramento	188,066	$18,807
Carp	100,520	35,182
Hardhead	2,098	210
County totals	290,684	$54,199
Los Angeles		
Shad, American	60	$12
County totals	60	$12
Madera		
Bullfrog	196	$259
County totals	196	$259
Mendocino		
Shad, American	290	$16
County totals	290	$16
Merced		
Blackfish, Sacramento	35,240	$3,524
Carp	2	1
Hardhead	149,235	14,924
Hitch	31 321	3,132
Sucker	7,284	728
Bullfrog	54	71
County totals	223,136	$22,380
Sacramento		
Crayfish	191,467	$87,328
Bullfrog	1,150	775
County totals	192,617	$88,103
San Diego		
Carp	352	$70
Clam, freshwater	2,098	691
Clam, unclassified	1,235	432
County totals	3,685	$1,193
San Francisco		
Shad, American	50	$5
Bullfrog	72	54
County totals	122	$59
San Joaquin		
Carp	1,000	$350
County totals	1,000	$350
Solano		
Crayfish	52,987	$24,167
County totals	52,987	$24,167
Yolo		
Crayfish	204	$93
Bullfrog	1,903	1,283
County totals	2,107	$1,376
Grand total	823,847	$210,108
Recap		
Blackfish, Sacramento	258,056	$25,806
Carp	109,685	38,337
Hardhead	151,333	15,134
Hitch	31,321	3,132
Lamprey	4,000	4,000
Shad, American	400	33
Sucker	7,288	728
Crayfish	246,623	113,090
Clam, freshwater	2,098	691
Clam, unclassified	1,235	432
Bullfrog	11,808	8,725
Grand total	823,847	$210,108

APPENDIX III

KELP HARVEST IN TONS

Year	Open beds	Leased beds	Total tons
1916	134,537.00	----	134,537.00
1917	394,974.00	----	394,974.00
1918	395,098.00	----	395,098.00
1919	16,673.00	----	16,673.00
1920	25,464.00	----	25,464.00
1931	----	260.00	260.00
1932	301.61	10,013.08	10,314.69
1933	52.75	21,568.65	21,621.40
1934	1,827.21	14,052.57	15,879.78
1935	----	30,601.83	30,601.83
1936	14,336.70	34,980.34	49,317.04
1937	9,612.70	34,340.65	43,953.35
1938	18,284.06	29,413.25	47,697.31
1939	25,546.30	31,189.70	56,736.00
1940	33,322.20	25,682.20	59,004.40
1941	36,103.00	19,614.00	55,717.00
1942	44,880.11	17,017.65	61,897.76
1943	19,547.44	28,410.86	47,958.30
1944	22,710.50	30,319.40	53,029.90
1945	37,541.30	21,639.90	59,181.20
1946	60,384.90	30,683.60	91,068.50
1947	46,028.80	28,207.80	74,236.60
1948	50,966.10	27,675.00	78,641.10
1949	56,076.00	27,270.00	83,346.00
1950	49,955.00	50,647.00	100,602.00
1951	30,318.00	84,442.00	114,760.00
1952	37,906.00	72,252.50	110,158.50
1953	37,172.50	89,476.50	126,649.00
1954	40,269.00	65,946.50	106,215.50
1955	38,992.00	85,071.00	124,063.00
1956	35,476.50	82,339.00	117,815.50
1957	32,810.75	61,396.50	94,207.25
1958	41,105.75	72,955 75	114,061.50
1959	42,289.65	47,309.45	89,599.10
1960	61,914.95	58,384.85	120,299.80
1961	71,952.70	57,303.30	129,256.00
1962	86,227.70	54,005.10	140,232.80
1963	57,517.00	63,514.80	121,031.80
1964	35,592.90	91,660.85	127,253.75
1965	33,464.10	101,664.90	135,129.00
1966	11,100.70	108,363.20	119,463.90
1967	9,331.00	122,164.00	131,495.00
1968	20,388.20	114,465.15	134,853.35
1969	10,028.70	121,210.50	131,239.20
1970	8,058.00	118,981.00	127,039.00
1971	19,476.00	136,083.00	155,559.00
1972	12,332.00	150,179.00	162,511.00
1973	24,539.00	128,541.00	153,080.00
1974	37,994.12	132,187.00	170,181.12

* No data available 1921–1930.

39358—800 5-76 3,500 LDA